

A nighttime photograph of a grand building's portico. Several tall, white, fluted columns support a curved roof. The building is constructed of red brick and features large, arched windows and doors, many of which are illuminated from within, casting a warm glow. A small balcony with a metal railing is visible on the left side of the building. The sky is dark, and the overall atmosphere is serene and majestic.

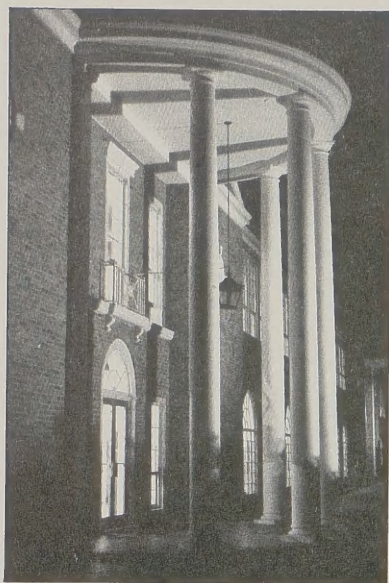
Catalog 1986-87

Tyler Junior College



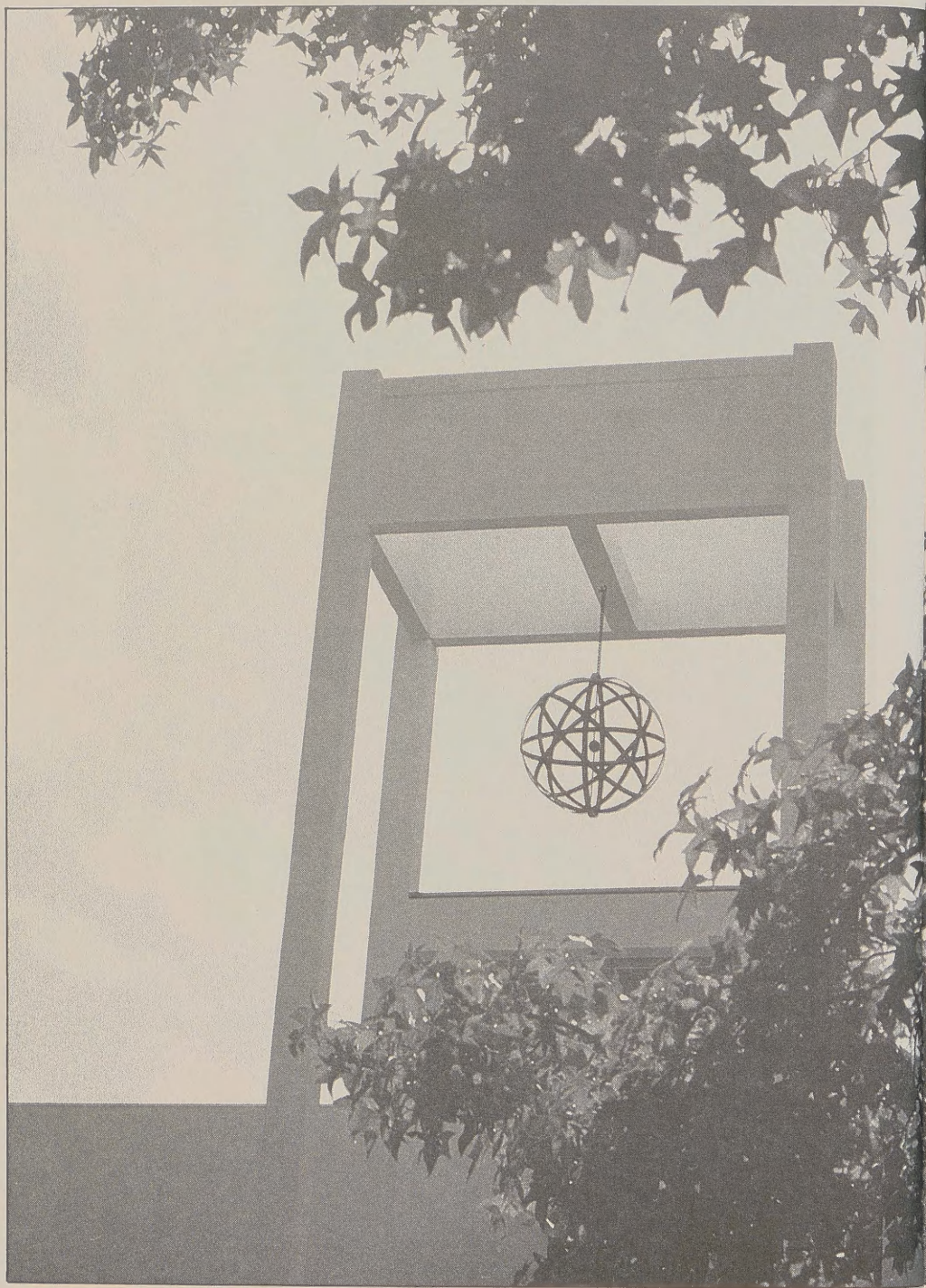
Tyler Junior College

Catalog 1986-87



Jenkins Hall

Tyler Junior College gives equal consideration of all applicants for admission without regard to race, creed, color, national origin, sex, age, marital status or physical handicap.



The atom representation which hangs high above the George W. Pirtle Technology Center is a symbol of the new avenues being explored within the Center's walls.



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Calendar

Fall Semester 1986

AUGUST

- 25 General faculty meeting
- 26-28 Registration for fall
- 28 Last day to register without paying a late fee
- 29 Faculty and staff development day

SEPTEMBER

- 1 Labor Day holiday
- 2 First day of classes
Late registration
- 4 Last day to change schedule
Late registration ends
Audit registrations on space available basis

OCTOBER

- 1 Last day to apply for fall degree
- 27 Mid-semester grades due

NOVEMBER

- 7 Last day to drop course with automatic grade of W
- 26 Classes dismissed at 5:00 p.m. to begin Thanksgiving holidays
- 27-30 Thanksgiving holidays (inclusive)

DECEMBER

- 15-18 Final exams
- 19 Last day of fall semester

1986

January						
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30						

December						
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21	22	23	24	25	26	27
28	29	30	31			

Spring Semester 1987

JANUARY

- 12 General faculty meeting
- 13 Faculty and staff development day
- 14-15 Registration
- 15 Last day to register without paying a late fee
- 16 Faculty and staff development day
- 19 First day of classes
Late registration
- 22 Last day to change schedule
Late registration ends
Audit registration on space available basis

MARCH

- 2 Last day to apply for spring degree
- 16 Mid-semester grades due
- 23-27 Spring holidays (inclusive)

APRIL

- 3 Last day to drop course with automatic grade of W
- 17 Good Friday holiday

MAY

- 11-14 Final exams
- 15 Last class day of spring semester
- 19 Commencement

1987

January S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	February S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	March S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	April S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
May S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	June S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	July S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	August S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
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6 Calendar

Summer Session I, 1987

JUNE

- 1 Registration for first term
- 3 Classes begin for first term
(most classes meet Monday
through Thursday)
- 3-4 Late registration
- 4 Audit registration on space
available basis
- 23 Last day to drop course with an
automatic grade of W

JULY

- 7 Final exams for first term

Summer Session II, 1987

JULY

- 9 Registration for second term
- 13 Classes begin for second term
- 13-14 Late registration
- 14 Audit registration on space
available basis
- 30 Last day to drop course with an
automatic grade of W

AUGUST

- 1 Last day to apply for
summer degree
- 13 Final exams for second term

Where to Write or Call

Information concerning specific aspects of the College may be obtained by contacting the Admissions Office.

Write: Admissions Office
Tyler Junior College
P. O. Box 9020
Tyler, Texas 75711

Telephone: 214-531-2531
214-531-2398

Board of Trustees

Dr. Eugene M. Allen

Earl C. Andrews

A. D. Clark

James W. Fair

Jack W. Flock

Harry Loftis

Dr. Edward M. Potter

Patrick R. Thomas, M.D.

Jim M. Vaughn, M.D.

President

Jim M. Vaughn, M.D.

First Vice President

James W. Fair

Second Vice President

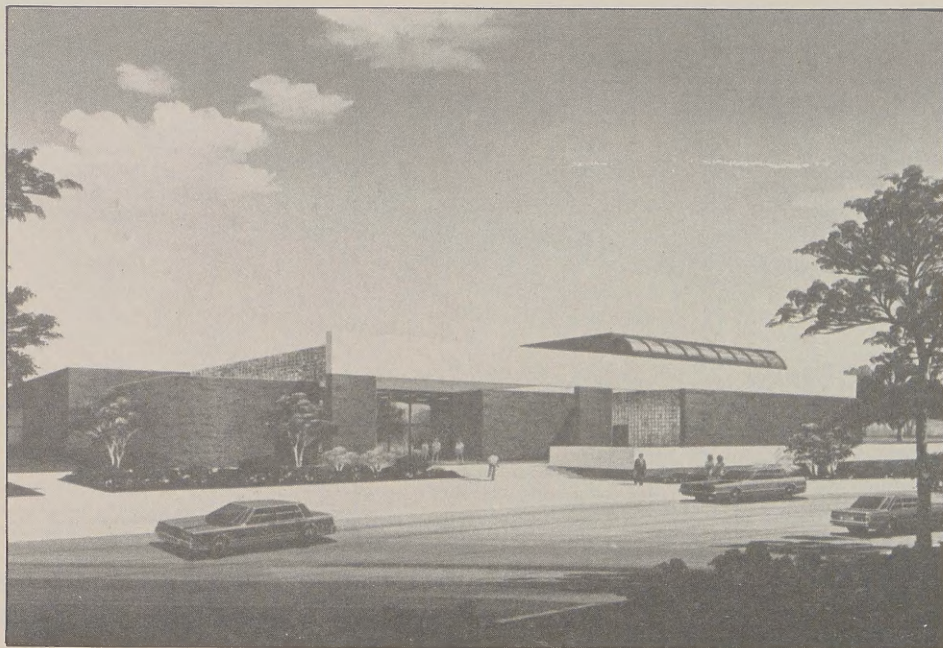
A. D. Clark

Secretary

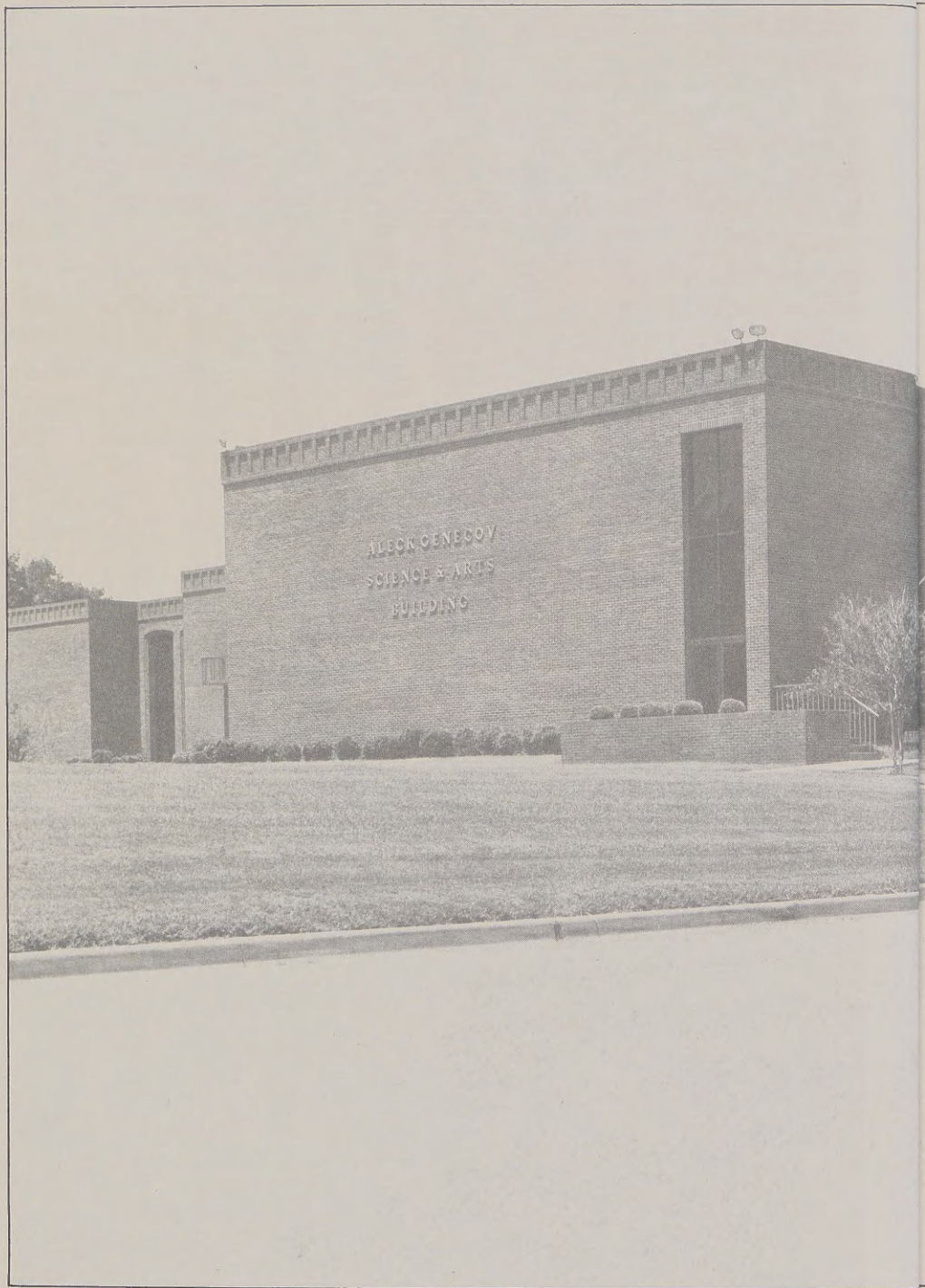
Maxene Robinson

Assistant Secretary

Ellen Price



TJC's new Health and Physical Education Center, to adjoin Wagstaff Gym, will feature an aquatic center, racquetball courts, weight training facilities and an aerobics/dance center. The Center is expected to open in 1987.



The Aleck Genecov Science and Arts Building provides facilities for laboratory sciences, art classes, and a band hall, as well as offices for the instructors of those subject areas.

History

The original Tyler Junior College was established in 1926 as a part of the Tyler Public School System. It operated under this plan with a small enrollment until September 1, 1946.

On November 13, 1945, the voters established a new, independent Tyler Junior College District, authorized a tax levy for the support of the College and authorized a bond issue for the erection of a new College plant on its own campus, separating it from the erection school system on September 1, 1946.

Since then the Tyler Junior College District has been enlarged and extended by ten neighboring school districts which voted to become a part of the College District for junior college purposes only. The present Tyler Junior College District is now composed of the following districts:

Tyler Independent School District
Winona Consolidated Rural High
School District No. 67.

Chapel Hill Independent School
District.

Van Independent School District.
Grand Saline Independent School
District.

Lindale Independent School District.

*Rice Consolidated Common School
District No. 13.

*Dixie Rural High School District No. 5.

*Swan Consolidated Common School
District No. 60.

*Pine Springs Common School District
No. 48.

*Flint Common School District No. 18.

**Consolidated into the Tyler Independent
School District.*

The College is operated under statutory authority by its Board of Trustees, composed of nine members.

Students residing in the Tyler Junior College District are entitled to priority in enrollment. Others are admitted if facilities are available, but the College reserves the right to limit the enrollment of students residing outside the Tyler Junior College District whenever in its judgment facilities are not available for additional students.



Statement of Purpose

The primary purpose of Tyler Junior College is to provide quality education at minimal cost to students varying in interests, aptitudes, talents, needs and goals. The College offers equal opportunity to all students meeting admissions requirements. Specific objectives include:

Educational

To provide two years of fully transferable college credit courses designed to develop logical, creative and objective thinking, and to stimulate intellectual curiosity by exposing students to the various academic disciplines.

To provide two-year technical programs in order to prepare students to gain occupational competency as technical personnel in industry, business, government or as owner-operators of their own establishments.

To provide two-year programs in paramedical and other health professions to train students to meet the needs for personnel in the health related services of the community.

To provide programs of vocational education for employed adults who need additional training or re-training in order to increase occupational competency.

Cultural

To cultivate the knowledge and appreciation of human achievements in the arts and sciences by providing convocations, by offering elective and adult education courses that stimulate interest in the arts and by encouraging students to participate in cultural activities.

Social

To encourage the exercise of friendliness and other social virtues by providing opportunities for students to gather at conveniently located student lounges and by offering a well-planned, diversified program of extra-curricular activities, planned and implemented by both the student body and the faculty.

Civic

To encourage effective student government in order to create in each student an intelligent interest in the governmental processes, and to prepare him or her for responsible citizenship. The community is also encouraged to use the facilities of the College.

Physical

To provide programs of physical development and of competitive sports in order to encourage good habits of physical and mental health, and to stimulate interest in recreation and good sportsmanship.

Accrediting

Tyler Junior College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award the associate in arts degree, the associate in applied science degree and proficiency certificates. Membership in this accrediting association makes possible the transfer of credit for work done in Tyler Junior College to other accredited colleges and universities.

Since colleges differ in their curricula, a student should secure the catalog of the institution to which he or she intends to transfer credit. Courses for a student's first two years should be planned in accordance with the degree plan of the institution to which he or she will transfer.

Buildings and Facilities

Tyler Junior College has a campus that encompasses 73 acres, has 29 buildings, including eight dormitories, and is valued at \$30 million.

H. E. Jenkins Hall

Houses academic classes, the offices of the administration, admissions and business.

Potter Hall

Used for classrooms and offices.

Wise Auditorium — Fine Arts Building

Contains special rooms for music, art, drama and speech arts plus a large theater.

George W. Pirtle Technology Center

The Center has five buildings which contain special classrooms and labs for technical courses.

Student Center Building

Houses the College Bookstore, activities offices, recreational facilities, lounges, College Dining Hall, counselors, nurse and campus police.

Wagstaff Gymnasium

Provides modern facilities for programs in physical fitness and athletic activities as well as general programs.

Hudnall Planetarium

Used to reinforce classroom instruction and to meet the needs of the entire community beginning at kindergarten level.

Powell Building

Home for non-credit continuing education classes including avocational and vocational programs.

Aleck Genecov Science and Arts Building

Provides facilities for lab sciences, art classes, a band hall and offices.

Vaughn Memorial Library and Learning Resources Center

A learning resources center which houses the library, a complete audio-visual aids facility with production facilities, both audio and video and an ultra-modern computer controlled dial-

access information retrieval center, electronically equipped study carrels with instant audio and/or video channels to basic or enrichment information in their courses. An excellent book collection of more than 75,000 volumes is housed in the Center.

The Watson W. Wise and Emma Wise Cultural Arts Center

This facility houses the programs of music and speech and drama, offices, classrooms, practice rooms and performance facilities, including the Jean Speller Browne Theatre, are housed in the Center.

Bonna Bess Vaughn Conservatory

Building has large fully-equipped greenhouse-conservatory with a reception area, and also features two classrooms and two offices.

The Tyler Museum of Art

Beautiful structure of latest museum design is operated through the cooperation of the Junior League of Tyler and Tyler Junior College.

Frank Baldwin Maintenance Building

Contains the various maintenance and utility facilities.

Welding Building

Contains classroom and workshop facilities.

Central Power Plant

Provides heating and cooling for major buildings.

Health and Physical Education Center

Contains gym, racquetball courts, swimming pool and other physical education facilities.



Fans of the TJC Apaches are loyal!

Student Services

Admission

All materials required for admission to Tyler Junior College should be on file in the admissions office prior to registration. New and readmit applicants whose file is incomplete at the time of registration will be allowed to enroll on conditional status pending completion of admission file. Readmit applicants will not be allowed to re-enroll if admission file was incomplete after the first semester of enrollment. **No student will be permitted to re-enroll until admission requirements have been met.** Students are encouraged to submit applications as early as possible in order to facilitate the early advisement process.

Admission to Tyler Junior College does not guarantee admission to a specific vocational-technical program.

Allied health programs are limited because of facilities, and admission to any of these programs requires separate application directly to that program well in advance of the fall semester. Programs which require separate application include dental hygiene, medical laboratory technology, nursing, radiologic technology, respiratory therapy, vocational nursing and ophthalmic dispensing technology.

Responsibility rests upon the student applicant for insuring that all necessary materials have been submitted for admission.

Methods of Admission

Tyler Junior College gives equal consideration to all applicants for admission without regard to race, creed, color, national origin, sex, age, marital status or physical handicap.

1. Admission by Graduation From High School.

Graduation from high school with at least fifteen units of high school credit, including three units in



14 Student Services

English, is required. The elective units must be chosen from the list approved by the Texas Education Agency. Students must furnish a high school transcript showing graduation date.

2. Admission by Examination (General Educational Development Test).

Applicants whose high school class has graduated and who wish to enroll in Tyler Junior College may be considered. The applicant must present satisfactory scores on the GED test prior to admission.

3. Admission of Transfer Students.

Students may be accepted on transfer from other regionally accredited colleges and universities when eligible to return to their former institutions.

A student seeking to transfer to Tyler Junior College must:

- a. Present a transcript from the last college or university attended. Students who wish to apply for a degree or certificate from Tyler Junior College must furnish official copies of transcripts from **all** colleges or universities attended.
- b. Continue on scholastic probation at Tyler Junior College if he/she has been placed on probation at another institution.
- c. Not seek to be admitted to Tyler Junior College if he/she is on enforced scholastic withdrawal from another institution. Residents of the Tyler Junior College District may apply to the dean of admissions for special consideration.

A student transferring from another collegiate institution is not at liberty to disregard his collegiate record and apply for admission on the basis of his high school record or a part of his college record.

4. Special Admissions.

- a. Adult students 21 years of age or over may be admitted upon approval of the dean of admissions.
- b. Early Admission Students: Special high school students are accepted during their senior year upon recommendation of their high school

counselor or principal and with the permission of their parents. These students may take one or two courses each semester. Credit for the courses will not be released until the student graduates from high school and furnishes Tyler Junior College with a transcript showing date of graduation.

- c. Allied Health Programs: In addition to admission to Tyler Junior College, students must fill out appropriate application to the particular allied health program in which they are interested. Enrollment into these programs is limited due to clinical facilities available.

5. International Students.

The following requirements apply to international students:

Immigrant and refugee students — Students must submit verification of immigrant card or I-94 Refugee Permit.

Non-immigrant alien students — The following requirements apply to all students holding visa category A-L issued by Immigration and Naturalization Service:

- a. Application and all documents should be submitted at least 60 days prior to registration.
- b. Official copy of transcript for the last four years of secondary school. The official transcript must be an original copy translated into English and must show each course completed and grade earned. Students who have attended an American college or university do not need to submit a high school transcript.
- c. Official copy of transcript from each college or university attended. All foreign transcripts must be certified English translations.
- d. Proof of English proficiency.
 - (1.) Test of English as a Foreign Language (TOEFL); minimum acceptable score is 525.
 - (2.) Completion of an English Language School or program of recognized standing with proficiency attained equivalent to

above TOEFL score as approved by office of admissions.

- (3.) Other proof of English proficiency equivalent to above TOEFL score as approved by office of admissions.

e. Immunization requirements for international students.

- (1.) Freedom from infectious tuberculosis should be ascertained by:

- (a) Tuberculin Test (5 T.U. PPD, Mantoux technique) required within six months prior to admission and must be repeated after arrival to campus by Tyler Junior College Health Services.

- (b) Posterior/Anterior chest x-ray is required prior to admission if Tuberculin Test had a positive reaction.

- (2.) Types of Immunizations:

- (a) Diphtheria (within 10 years)

- (b) Tetanus (within 10 years)

- (c) Poliomyelitis (Types I, II, & III)

- (d) Mumps

- (e) Measles

- (f) Rubella

- f. Proof of financial ability to stand all expenses for the college year. We have no scholarship aid available for foreign students nor do we issue work permits for them. This means that the student must show his/her ability to stand all expenses for the college year (Form I-134).

- g. Proof of hospital and accident policy to cover hospitalization is required.

- h. Compliance with all requirements and procedures established for visa category by Immigration and Naturalization Service.

6. Admission Test Scores Requirement.

All freshman students who have completed less than 15 semester hours are strongly encouraged to submit scores of the American College Testing Program (ACT) or the College Board (formerly SAT). Such scores are used for counseling and

placement purposes.

It is the student's responsibility to see that these scores are sent to Tyler Junior College well in advance of actual enrollment. Students unable to take either test prior to enrollment are advised to do so at the earliest test date available.

The American College Testing Program and the College Board tests are scheduled at Tyler Junior College and other conveniently located testing centers in Texas and elsewhere. A list of the testing centers may be found in the Student Information Bulletins of the testing services. The Student Information Bulletins, registration forms and the current year's testing dates may be obtained from the Tyler Junior College Testing center or from high school or college counselors or registrars.

It is recommended that transfer students with less than 15 semester hours of credit submit scores from either the American College Testing Program or the College Board.

Students residing in the Tyler Junior College District are entitled to priority in enrollment. Others are admitted if facilities are available, but the college reserves the right to limit the enrollment of students residing outside the Tyler Junior College District whenever in its judgment facilities are not available for additional students.



Harmony and Understanding, a select singing ensemble, continue to delight audiences year after year by performing a wide variety of music.

Tuition and Fees

Tuition rates at Tyler Junior College are low because the College is partially supported by the State of Texas. Tuition is due in full at the beginning of the semester. Any other plan must be by special arrangement with the Financial Aid Office. A registration fee of \$10.00 will be charged to all students. An additional fee of \$10.00 is charged for late registration — enrollment after the regularly scheduled registration days. A fee of \$5.00 will be charged for all returned checks. If the check was presented in payment of tuition and fees, the return will also result in a \$10.00 late registration fee.

A fee of \$5.00 will be charged to each student who changes his or her schedule after registration.

Residents of the TJC District

Tuition: \$8.00 per semester hour with a minimum total tuition charge of \$50.00.

Texas Residents from outside of the TJC District

Tuition: \$8.00 per semester hour with a minimum total tuition charge of \$50.00.

Surcharge fee: \$10.00 per semester hour.



For 60 years, TJC has been providing quality education; making bright faces brighter.

Waiver of Non-Resident Tuition

The difference in the rate of tuition for non-resident and resident students may be waived for a person, and dependents, who owns property and resides in property which is subject to ad valorem taxation by the Tyler Junior College District [Section 130.003(b)(4), *Texas Education Code*].

A person (or dependents) requesting such a waiver shall verify property ownership with the Admissions Office at the time of registration.

Non-Texas Residents

Students whose residence is outside the state of Texas, and who are thereby classified as non-residential students according to the definition provided by the statutes of the State of Texas are charged a special non-resident tuition rate.

Tuition: \$25.00 per semester hour with a minimum total tuition charge of \$200.00.

Surcharge fee: \$10.00 per semester hour.

Special Fees

1. In accordance with the requirements of the statutes of the State of Texas, students are charged a semester laboratory fee of \$2.00 in each natural science or home economics course.
2. A fee of \$15.00 is paid by students at the time of graduation.
3. Music fees per semester — individual lessons:

	One 30-Minute Lesson Per Week	Two 30-Minute Lessons Per Week
Piano	\$50.00	\$75.00
Voice	50.00	75.00
Violin, Violoncella	50.00	75.00
Guitar	50.00	75.00
Woodwind Instrument .	50.00	75.00
Brass Instrument	50.00	75.00
Practice Room (four hours per week)	\$4.00	

**Tyler Junior College
Refund Policy**

Refund payments will be mailed to the student's permanent address as listed on the schedule card in the Registrar's Office approximately 4-6 weeks after the end of the refund period applicable. Late registration and change fees are non-refundable.

Fall and Spring Semesters

Prior to the first class day	100%
During the first five class days	80%
During the second five class days	70%
During the third five class days	50%
During the fourth five class days	25%
After the fourth five class days	NONE

Summer Semesters

Prior to the first class day	100%
During the first, second or third class day	80%
During the fourth, fifth or sixth class day	50%
After the sixth class day	NONE

Students who reduce their semester credit hour load by officially dropping a course or courses and remain enrolled at Tyler Junior College will have applicable tuition and fees refunded according to the following schedule:

Regular Session

During the first twelve class days	100%
After the twelfth class day	NONE

Summer Session

During the first four class days	100%
After the fourth class day	NONE

"Tuition, fees, and other expenses are subject to change by vote of the Tyler Junior College Board of Trustees or the legislature of the State of Texas."



A tennis tech workshop, presented at Texas A&M, showed the right and wrong ways of the tennis game.

Scholarships and Awards

- Paul Adams Art Award
Advance Class Scholarship/Glenwood
Methodist Church
The A.J. "Jake" Alfred
Memorial Scholarship
The Alpha Delta Kappa Scholarship
Alpha Theta Tau Chapter of Beta
Sigma Phi Scholarship
The American Association of University
Women Scholarship
The American Lung Association
Scholarship
Tom Anderson Jr. Journalism
Scholarships
ARCO Oil and Gas Company Affirmative
Action Scholarship East Texas District
Dr. R.E.G. Baldwin Nursing Scholarship
Brookshire Agricultural Scholarship
The Wood T. Brookshire Memorial
Scholarship
Dr. Jean Speller Browne Scholarship
The T.B. Butler Publishing Company
Scholarship
The T.B. Butler Publishing Company
Key and Internship
D.K. Caldwell Scholarship
Russell Cantwell Scholarship
The Cedars of Lebanon Club Scholarship
Chandler Lioness Club Scholarship
Dr. H.R. Coats Nursing Scholarship
Community Hospital Auxiliary
Scholarship
Community Service Club Scholarship
The Bess Corbet Memorial Scholarship
The D.A.R. Scholarship
Dean's Scholarships
The Delta Kappa Gamma Society
Scholarship
The Downtowner's Business and Pro-
fessional Women's Club Scholarship
The East Texas Bridge Club Scholarship
East Texas Chapter-American Petroleum
Institute Scholarship
The East Texas Petroleum Wives
Scholarship
East Texas Respiratory Seminar
Scholarship
East Texas Cattle-ettes Scholarship
The E.A. Ellison Memorial Scholarship
The Mary Martha Fair Presidential
Scholarship
The R.W. Fair Foundation Scholarships
Fashion Merchandising Club
Scholarship
Harris R. Fender Scholarship
Paul and Sylvia Golenternek
Forchheimer Scholarship
The I.L. Friedman Scholarship
The Mrs. A. S. Genecov Presidential
Scholarship
Brady P. Gentry Dean's Scholarships
The Brady P. Gentry Presidential
Scholarship
The Brady P. Gentry Academic
Scholarships
Mrs. D.K. "Lottie" Caldwell Alfred E.
Gilliam Apache Belle Scholarship
Mary John and Ralph Spence Alfred E.
Gilliam Apache Belle Scholarship
Goar Scholarship Fund
The Celia Golenternek Goldstucker,
Phillip and Hyman Golenternek
Memorial Scholarship
The Dr. and Mrs. Dan Golenternek
Scholarship
The Dr. and Mrs. Joe Golenternek
Scholarship
The Isadore Golenternek Scholarship
The Leo Golenternek Memorial
Scholarships
The Sarah H. and Alexander Golenternek
Memorial Scholarship
The Greater Texas Eastern Chapter of
March of Dimes Scholarship
The Averille Greenhaw Home Economics
Scholarship
Mrs. Etta Golenternek Gross Memorial
Scholarship
The Mike Harvey Scholarship
The Raymond Hedge, Sr. Memorial
Scholarship
The J.C. Henderson Memorial
Scholarship
Dr. Winifred Golenternek Heringhi
Memorial Scholarship
The Marguerite Hercules Scholarships
The E. Fred Herschbach German
Language Award
Houston Livestock Show Association
Scholarships
The Howe-Baker Engineers, Inc.
Scholarship
The Dulse Lux Hudnall Presidential
Scholarship
The David K. "Cokie" Hughes Memorial
Scholarship
Independent Insurance Agents of
Tyler Scholarship
Insurance Women of Tyler Scholarship

Jacksonville LVN Scholarships
 Thomas Jefferson Memorial Scholarship
 Dr. H.E. Jenkins Memorial Scholarship
 Dr. Harry E. Jenkins Presidential
 Scholarship
 Dr. Wiley Jenkins Scholarship
 The Lillie Jiles Scholarships
 The Harry Lawrence Johnson
 Surveying Scholarship
 Jeanette Jones Memorial Scholarship
 The Journalism Ex-Students Award
 The Junior Symphony League
 Scholarship
 King Communication Scholarship
 The Margaret Kinzie Scholarships-LVN
 The Margaret Kinzie Scholarships-RN
 The Bob Kinsey Electronics Award
 Las Mascaras Dr. Jean Speller Browne
 Award
 Levy Estate Scholarship
 Robin Lindsey Memorial Scholarship
 The Red Little Presidential Scholarship
 The Asa Lockhart Scholarship
 E.B. Long Memorial Scholarship
 The Baker Lucas Memorial Scholarship
 The Senator Warren Swann McDonald
 Scholarship
 The Medical Team Care Health Services
 Scholarship
 The Van Edgar Neal Memorial
 Scholarship
 The Josephine and Dan Needham
 Presidential Scholarship
 R.B. Oder Scholarship
 The Breakfast Optimist's Club
 Scholarships
 Tyler Pi Beta Phi Alumni Club
 Scholarships
 The Pilot Club Scholarship
 The P.C. Pinkerton Memorial
 Scholarship
 The George W. Pirtle Memorial
 Scholarship
 The Pirtle Scholarship in Science
 and Engineering
 The George W. Pirtle Technology
 Scholarships
 The El Freda Taylor Pirtle Scholarships
 The Polson-Burton Surveying
 Scholarship
 Presidential Scholarships
 The Potter Speech and Theatre
 Academic Scholarship
 The Professional Secretaries
 International Scholarship
 The Quilters Guild of East Texas
 Home Economics Scholarship

William S. Reeves Scholarship
 The L.N. Reynolds Incentive
 Scholarships
 Mr. and Mrs. A.W. Riter, Jr. Dean's
 Leadership Scholarships
 The Jennifer Leigh Rogers Scholarship
 The Celedonio Romero Guitar
 Scholarship
 Rose Capital Pilot Club Scholarship
 The Louise H. Rogers Presidential
 Scholarship
 The Rotary Young Citizens Awards
 The Chuck Sanderson Memorial
 Scholarships
 Sanger Harris Merchandising
 Scholarship
 Selber Brothers Employee Club
 Scholarship
 Atlantis Shelby Scholarships



The fine arts flourish at TJC with drama productions, musicals, art exhibits and dance recitals offered each year.

20 Scholarships and Awards

- The Dr. and Mrs. L.E. Skinner Scholarship
- The Grace Moore Skinner Smith Scholarship
- The Smith County Bar Association Scholarship
- The Smith County Dental Auxiliary-Dental Hygiene Scholarship
- Smith County Medical Society Auxiliary Scholarships
- The Smith County Medical Society Auxiliary Presidential Scholarships
- Kathryn Nettles Speas Scholarship
- The Tony Spitzberg Memorial Award
- Angela Stansbury Memorial Scholarship
- Levi Strauss Business Opportunity Scholarship Award
- The Levi Strauss Scholarship
- The Florence and Marcus Strum Scholarships
- The Sun Oil Company Scholarships
- The TEPE Scholarship
- Texas Chest Foundation Scholarship
- Texas Nurses Association District 19 Scholarship
- Association of Texas Professional Educators of Tyler Scholarships
- The Joe Theodore Scholarship
- The Paul Turman Scholarship
- The Tyler Art League Scholarship
- The Tyler Association of Pharmaceutical Sales Scholarship
- Tyler Board of Realtors Scholarship
- Tyler Civic Chorale Association Music Scholarship
- Tyler Civitan Scholarship
- Tyler Clearing House Association Presidential Scholarship
- The Tyler Council of Parents and Teachers Scholarships
- The Tyler Desk and Derrick Club Scholarship
- The TISD Educational Secretaries and Aides Association Scholarship
- Tyler Evening Business and Professional Women's Club Scholarship
- Tyler Home Builders Women's Auxiliary Scholarships
- TISD Insurance Committee Scholarship
- Tyler Junior College Alumni Association Scholarship
- Tyler Junior College/High School Art Competition Scholarship Awards
- The Tyler Legal Secretaries Association Scholarship
- The Tyler Lions Club Scholarship
- The Tyler Men's Garden Club Scholarship
- The Mental Health Association of Tyler Scholarship
- Tyler Patrolman's Association Scholarship
- Tyler Rose Society Scholarship
- The University of Texas at Tyler Scholarship
- Valedictorian Scholarships
- The Bonna Bess and Jim Vaughn Presidential Scholarship
- Vaughn Foundation Scholarship
- Dr. Jim Vaughn Foundation Nursing Scholarship
- Veteran's of World War I and Ladies Auxiliary of Rose City Barracks Scholarship
- Helen Wadel Music Scholarship
- Floyd Wagstaff Scholarships
- The Carl Wallace Journalism Scholarship
- The Mary Wallace Education Scholarship
- Dr. and Mrs. J.E. Watkins Scholarship Trust
- E.A. Wendlandt Scholarship
- The Wesley Foundation Ann Adams Scholarship
- Wesley Foundation Lillian Kelsey Powell Scholarship
- The Jack and Dorothy Fay White Scholarship
- The Dorothy Fay and Jack White Presidential Scholarship
- The Reverend J.E. White and Minnie Gentry White Presidential Scholarship
- The Jack and Dorothy Fay White Presidential Scholarship in the Fine Arts
- The Mastin G. and Jack White Music Scholarship
- The Mastin Gentry White Presidential Scholarship
- The James H. "Buster" White Scholarship
- The Mrs. Royce E. "Petey" Wisenbaker Presidential Scholarship
- Virginia Wilks Nursing Scholarship
- Watson W. and Emma Wise Cultural Arts Scholarship
- The Watson Wise Incentive Award
- The Women's Symphony League Scholarship

Financial Aid

Application Procedures

Applicants for financial assistance should complete the following requirements:

1. Apply and be admitted to Tyler Junior College. *No financial assistance will be awarded until the student has been accepted for admission.*
2. Complete and file an application form as required.
3. Complete and file the necessary information concerning financial resources. In addition:
 - a. All students eligible to apply for the Pell Grant **must** submit their Student Aid Report to the financial aid officer prior to his calculating or awarding *any student financial aid*.
 - b. All students applying for assistance must complete the Tyler Junior College Student Information Sheet.
 - c. All applicants must furnish a copy of a current Federal Income Tax Return.
 - d. All applicants must be interviewed by the financial aid officer *prior to granting of aid*.
4. Special applications, along with the institutional application, are required for students who apply for Guaranteed Loans.
5. Provide the financial aid office with a student copy of applicant's academic and financial aid transcripts from all institutions previously attended.

NOTE: Students needing financial assistance for completion of registration **MUST** have **ALL** required documents on file at least **30 DAYS** prior to actual registration.

Revocation of Aid

The office of financial aid reserves the right to review and revoke aid awarded if applicant:

1. Falsifies information reported.
2. Misuses funds awarded.

3. Experiences positive changes in his/her family's financial situation.
4. Is in default on any previous aid program.
5. Fails to make satisfactory progress in accordance with current aid regulations.

Program Descriptions

The Pell Grant Program

This is a Federal aid program designed to provide financial assistance to those who demonstrate a financial need to attend post-high school educational institutions. Please submit the Student Aid Report at least 30 days in advance of registration to insure timely payment of award.

Supplemental Educational Opportunity Grants (SEOG)

An additional grant may be awarded to exceptionally needy students.

College Work Study Program (CWSP)

A Federally funded program is available through which eligible, needy students may earn part of their college expenses.



Of the 50 community and junior college districts in the state, TJC graduates more associate of arts degree candidates than any other institution (approximately 500-600 every year).

22 Student Services

Guaranteed Student Loan Program

Eligible students may borrow as much as \$2,500 each academic year. Application for the loan is made through a private lending institution.

Workshops and Scholarships

Tyler Junior College has a limited number of workshops and scholarships that are available whereby deserving students may earn their tuition.

Short Term Loans

The office of financial aid will award emergency loans to students with crisis needs **for tuition only**.

Texas Public Educational Grant

A state funded grant is available for exceptionally needy Texas students.

Vocational Rehabilitation

The Texas Rehabilitation Commission offers assistance for tuition and non-refundable fees to students who have certain disabling conditions provided their vocational objectives have been approved by a TRC Counselor. Examples of such conditions are orthopedic deformities, emotional disorders, diabe-

tes, epilepsy, heart conditions, etc. Other services are also available to assist the handicapped student to become employable. Application for such service should be made through the

Texas Rehabilitation Commission
Tyler District Office
1517 West Front Street
Tyler, Texas 75703

All inquiries concerning student aid should be addressed to:

Student Financial Aid Director
Tyler Junior College
P. O. Box 9020
Tyler, Texas 75711

Veterans' Services

Veterans' G.I. Bill of Rights

Tyler Junior College is approved for veterans' training.

Veterans may consult the veterans' coordinator for information and assistance in applying for benefits.

Veterans' Dependents' Aid

The federal government has set up provisions in Public Law 634 whereby certain veterans' dependents may be eligible for a subsidy while pursuing their education. Orphans of service personnel and dependents of veterans with service-connected disability may find themselves eligible.

Hazlewood Act

Texas veterans who have exhausted their educational benefits may attend Tyler Junior College under the Hazlewood Act. They may be exempt from tuition and fees if they meet all the following requirements:

1. Currently a Texas resident.
2. A Texas resident at the time of entrance into the service.
3. Have an honorable discharge.
4. Have a copy of discharge papers (DD 214) on file at Tyler Junior College.

For further information, contact the Coordinator of Veterans' Services in the Registrar's Office.



Sculpture classes are offered at TJC for both credit and non credit.

Residence Life

Tyler Junior College operates eight modern, air-conditioned residence halls for students. All halls have laundry facilities, lounge areas, and basic cable TV service. For the safety of residents, each hall is closed to visitors at stated times each evening and the use or possession of alcohol, drugs, or weapons is forbidden.

Each residence hall has a live-in residence staff which consists of a full-time Hall Coordinator and several student Resident Assistants. These staff members provide assistance to students, supervision for the operation of the hall, and direction for the educational and social programs for resident students.

All resident students enter into a residential contract which obligates them to maintain full-time student status, observe Tyler Junior College rules and policies, maintain their assigned room space in a safe and sanitary manner, and has some guidelines for allowable items and activities within the residence hall.

Tyler Junior College is a member of ACUHO-I and SWACUHO, the national and regional College housing professional organizations.

College housing assignments are available only to full-time students enrolled for at least 12 semester hours.

Certain courses of study in Allied Health areas may qualify based on total contact hours. Students must maintain full-time enrollment during each semester to remain in College housing.

For a residence hall application or more information about residential living, write to the Director of Residential Life or call 214-531-2200.

Tyler Junior College gives equal consideration to all applications for housing regardless of race, creed, color, national origin, age, marital status, or physical handicap.

The cost of a dormitory room is \$450 per semester during the regular academic year and \$200 per summer session. All rates are for occupancy in a two-person room and are subject to change without notice.

College Cafeteria

The college cafeteria provides meals for all students enrolled at the college on a variety of payment plans, from one meal to a seven-day meal plan for an entire semester.

Students usually have a choice of several entrees, a sandwich bar, a salad bar, and several desserts.

Students desiring more information should contact the Director of Food Services.

College Nurse

The college employs a nurse to attend to minor illnesses and injuries. The nurse recommends medical attention for more serious cases when necessary.

The nurse's office is located in the Student Center.



Friendship is a special part of being a TJC student.

Counseling and Advising

Services are available for new and undecided students concerning academic, vocational and continuing education opportunities. These services are available during the day and evening hours at no charge to the student. Counselors will assist students in personal areas, exploring problems, concerns and help establish awareness for individual growth and development. College counselors also assist students in setting academic goals and evaluating interests, abilities and goal objectives. Testing, tutorial services, transfer and other information are also provided through the main counseling office.

In advance of registration, new students are required to participate in the testing and advisement process, regardless of student classification, after having satisfied Tyler Junior College admissions requirements.

All returning students with chosen majors are advised by faculty advisors within the division of a student's program of study. Returning or readmission students should consult with their faculty advisor well in advance of registration to avoid possible advisement delays.

Testing

Admissions Test Score Requirement

All freshman and transfer students who have completed less than 15 semester hours are strongly encouraged to submit scores of the American College Testing Program (ACT) or the College Board (formerly SAT) well in advance of actual enrollment.

In addition to the use of these tests (ACT, SAT) for course placement purposes, students may be required to take in-house placement tests (English, reading, math) for more precise placement in selected courses. Additional information in regard to these tests can be obtained by contacting the Tyler Junior College Counseling, Testing and Support Services Center.



Diverse student activities are offered at Tyler Junior College, including a fun-filled "Play Day."

Credit by Examination

College Level Credit by Examination (CLCBE)

Tyler Junior College recognizes the fact that many students, independent of the college environment, have achieved the goals and objectives of certain college courses. In accordance with that belief, Tyler Junior College has adopted policies and procedures whereby students may receive college credit for that knowledge and/or experience or may be enrolled in classes commensurate with the academic level to which they belong.

Credit earned through CLCBE procedures will apply toward the graduation requirements of Tyler Junior College. Credit will also be given for acceptable advance placement scores of the College Board (AP), College Level Examination Program (CLEP), Defense Activity for Non-Traditional Educational Support (DANTES), certain specific departmental institutional tests, credit by life work experience and additional tests as determined by the institution. Students are eligible to receive a maximum of 15 semester hours credit through CLCBE procedures providing they are concurrently enrolled at Tyler Junior College and complete a full semester of academic work in the class-

room setting. Upon successful completion of any CLCBE experience, a grade of **CR** will be awarded and will not affect the grade point average. Tyler Junior College does not guarantee the transfer of credit awarded through College Level Credit by Examination (CLCBE) to other institutions; therefore, those individuals who desire to transfer credit should contact the institutions of choice for such information.

For further information about the College Level Credit by Examination Program, contact the Tyler Junior College Testing Center.

Career Development/ Placement

Career development and placement services which are available for students include exploring career options, interest assessments, and occupational information. Placement services available include referrals for part-time and full-time employment, employer information through specific program coordinator liaisons, and employer on-campus interview sessions.

For more information, contact the Tyler Junior College Counseling Center.

Support Services

Tyler Junior College provides a variety of support services for students with special needs and capabilities. Programs have been developed to assist the student with weak academic skills, the student with a physical/learning disability, and the non-traditional student considering "re-entry" into education or employment.

For more information, contact the Support Services Office in the Counseling Center.

Summer Freshman Orientation

Summer freshman orientation sessions are available to students who wish to complete the freshman orientation requirement and register early for the fall semester. Students who participate in one of the summer freshman orientation sessions learn about the college courses available, discuss college and career plan with counselors, faculty advisors, and other professionals, then complete registration procedures for the fall semester.



TJC cheerleaders make a splash whatever they do!

Student Activities

Extracurricular activities at Tyler Junior College are many and varied, designed to afford full-time and part-time students with opportunities for enjoyment and enrichment. These activities are intended both to augment class work and to provide relaxation from studies.

The color and excitement of athletic events, the quiet pride of candlelit initiations, the exhilarating esprit de corps of a club project — these are all part of TJC's extracurricular offerings. A community college as well as a traditional junior college, the institution seeks in its numerous beyond-the-classroom activities to serve not only the students on campus but also the township and the entire East Texas area.



TJC students have the opportunity to dance the night away at one of several student organization-sponsored dances offered each year.

Apache Band

The Apache Band is the official college band which is open to all qualified students, and also accompanies the Apache Belles. The Stage Band and Concert Band are select groups of band students from the Apache Band chosen to play a variety of music.

Apache Belles

A select women's organization, the group presents performances for half-time entertainment at college and professional games and entertains on other occasions.

Throughout the year, special study is given to good taste in clothing, makeup, manners and general personal improvement.

College Choir

Open to all students who wish to sing, the Choir represents the college in concert on and off campus.

Harmony and Understanding

A select group of singers from the college choir, this group sings modern popular music.

The Madrigal Singers

A select group of singers from the college choir, the group presents music from the Classical and Baroque eras.

Athletic Program

The College athletic program includes intercollegiate sports for men in football, basketball, and tennis and for women in basketball and tennis.

Other student activities include clubs and organizations which are intended to include the diverse interests of the students. The following list of organizations are presently active on the campus. A more complete description of the purposes and activities of each organization is included in the *Student Handbook*.

Association of Baptist Students
Biology Society of Tyler Junior College
Campus Crusade for Christ
Epsilon Delta Phi
Fashion Merchandising Club
Future Farmers of America
The Averille Greenhaw Home
Economics Club
Horticulture Club
Las Mascaras Speech and Dramatic Club
Delta Psi Omega
Law Enforcement Student Association
Mu Lambda Tau
Phi Theta Kappa

Physical Education Club
Respiratory Therapy
The Student American Dental
Hygienists' Association
Students with a Purpose
The Student Senate
Texas Nursing Student Association
Tyler Junior College News
The Apache Rodeo Club

Fraternities

Alpha Tau Alpha
Delta Upsilon
Pi Kappa Alpha
Kappa Kappa Psi
Sigma Phi Epsilon

Sororities

Alpha Delta Sigma
San Souci Sorority
Tau Beta Sigma
Tau Kappa
Zeta Phi Omega
Religious Student Centers



A campus walk during the annual homecoming activities gives student organizations the opportunity to build and design exhibits.

30 College Regulations

Dean's List, which is published at the end of each semester. The grade of "A" carries four honor points per semester hour; the grade of "B" carries three; the grade of "C" carries two; and the grade of "D" carries one per semester hour. To qualify for the Dean's List, a student must complete a minimum of 12 semester hours and have a 3.3 grade point average with no D's, F's or WF's.

Graduating with Honors

To graduate with honors a student must complete all required courses of his/her appropriate degree. Grade point average is based on all accumulated course work attempted.

Highest Honors — 4.0 grade point average.

High Honors — 3.6 grade point average.

Honors — 3.3 grade point average.

Numbering of Courses

One semester hour represents one class hour per week for 16 weeks; for example, one course meeting three hours a week for 16 weeks carries credit of three semester hours.

Courses designated as developmental will not count as elective or degree credit toward any degree. Courses in this catalog which are developmental have three digit numbers which begin with "0."

Courses are numbered as follows (except in nursing): The first digit of the number indicates the college year in which the course is taken; the second digit in the number indicates the semester of the year in which the course is taken; the final digit indicates the credit value of the course in semester hours; thus, English 123 indicates that the course is the first year, second semester English with a credit value of three semester hours.

All descriptive titles of courses are followed by two numbers in parentheses. The first of these numbers gives the number of class hours each week while the second number gives the number of hours of laboratory each week. For example, the notation (3-2) indicates that a course has three hours of class meetings and two hours of laboratory weekly.

Transfer to Other Institutions

Since colleges differ in their curricula, a student should secure the catalog of the institution to which he intends to transfer credit. Courses for his first two years should be planned in accordance with the degree plan of the institution to which he will transfer.

Student Load

A student may enroll in one or more courses. A standard load is considered to be five solid courses (three or four semester hours credit each) plus physical education activity and freshman orientation (first semester). Organizations such as band and choir may be added without special permission.

Records and Transcripts

Students shall have access to their official education records and shall have the opportunity to challenge such records if they deem them inaccurate, misleading or otherwise in violation of their privacy or other rights. Except for directory information, Tyler Junior College will not release personally identifiable data from student records to other than a specified list of exceptions without a written consent of the student. Even a release of information to parents requires a student's written consent.

In compliance with the Family Educational Rights and Privacy Act of 1974 (PL-93-380), as amended, the following information is provided concerning student records maintained by Tyler Junior College; and upon request, this Act is available for review in the office of the registrar:

Area in which student records are maintained:

1. Academic records
Registrar's Office, Continuing Education Office and faculty offices
2. Placement and testing records
Counseling Center
3. Financial records
Business Office and Financial Aid Office
4. Medical records
College Nurse Office

Review of Record

Any student has the right to inspect and review the content of his/her records, to obtain copies at the student's own expense, to receive explanations or interpretations of the records and to request a hearing to challenge the content. Access to the records may be requested on a form available from the official in charge of the particular record.

Challenging of a grade must occur during the semester immediately following awarding of the grade.

Informal Review: Follow the procedure as outlined for review of record. An official will summarize action taken on review request form. This should be signed and dated by the review official and maintained with student's records.

Formal Review: If the informal review does not clarify the question of accuracy of record-keeping the student may request a formal review. The Academic Appeals Committee will hear challenges concerning these records.

Family Rights and Privacy Act

In compliance with the Family Educational Rights and Privacy Act of 1976, (P.L. 93-380, section 513), as amended (P.L. 93-568, section 2), information classified as "Directory Information" may be released to the general public without the consent of the student.

Tyler Junior College hereby designates the following student information as public or "Directory Information:" Name, address, telephone number, dates of attendance, class, previous institution(s) attended, major field of study, awards, honors (includes Dean's List), degree(s) conferred (including dates), past and present participation in officially recognized sports and activities, physical factors (height, weight of athletes), and date and place of birth.

A student may request that the above directory information be withheld from the public by making written request to the Registrar's Office during the first 12 days of class of a fall or spring semester or during the first four days of a summer session. If no request is filed, information will be released upon inquiry. A new

form for non-disclosure must be completed every fall, spring and summer session or term enrolled. Tyler Junior College assumes that failure on the part of any student to specifically request the withholding of "Directory Information" indicates individual approval for disclosure.

Change of Name or Address

A student who changes his/her residence or mailing address is expected to notify the registrar of this change immediately. Any communication from the College which is mailed to the name and address on record or which is posted on the College bulletin boards is considered to have been properly delivered and the student is responsible therefor.

Student Consumer Information

Information not found in this catalog regarding Tyler Junior College may be found in the student activities office.



A chance to make life-long friends awaits the TJC student.



TJC combines the best of both worlds — the long-established traditions of a junior college with the modern aspirations of a community college.



Degrees, Certificates and Graduation

General Requirements for all Degrees

The following general requirements must be met by all students receiving associate degrees:

1. The student must apply for a degree in a specific concentration by the published deadline.
2. The student must complete 62 acceptable credit hours of work with an average grade of at least C.
3. Fifteen of the last 21 credit hours must be completed at Tyler Junior College. At least 15 credit hours of work must be of sophomore level.
4. Students who graduate are required to attend the commencement exercises unless excused.
5. A student must apply for a degree during the year he/she last attended Tyler Junior College.
6. A student seeking any associate degree must complete Health Physical Education 111 — Health Concepts of Physical Education.
7. Psychology 111 Requirement. The freshman orientation class is required of all full-time day students during their first semester of enrollment.

Associate in Arts Degree

Tyler Junior College offers the Associate in Arts Degree to students completing the general requirements for all degrees, the general degree requirements for the Associate in Arts Degree and those courses required for concentrations in the disciplines listed in this catalog.

34 Degrees, Certificates and Graduation

The general degree requirements for the Associate in Arts Degree are:

1. ENGLISH 113 and 123 (6 credit hours)
2. HISTORY 213 and 223 (6 credit hours)
Students may substitute one American History course. Students should check the history department of the senior college to which they intend to transfer.
3. GOVERNMENT 213 and 223 (6 credit hours)
4. HEALTH AND PHYSICAL EDUCATION 111 and one additional HPE activity course.
The following students may request substitutions for HPE.
 - a. Students with medical excuses signed by a physician.
 - b. Veterans
 - c. Students 25 years of age or older

NOTE: In all Associate in Arts degree plans, several disciplines are suggested as electives. *Social science* includes history, government, economics, sociology and psychology. *Humanities* include philosophy, literature, foreign language, music, theatre, art, speech, dance and Bible. *Natural science* includes chemistry, biology, geology, physics, astronomy and mathematics. *Laboratory science* includes chemistry, biology, geology and physics.



Associate in Applied Science Degree

Tyler Junior College offers the Associate in Applied Science Degree to students completing those courses in the following programs as outlined in this catalog.

Air Conditioning & Refrigeration
Associate Degree Nursing
Bank Management
Computer Science
Criminal Justice
Dental Hygiene
Drafting
Electronics
Farm & Ranch Management
Fashion Merchandising & Retailing
Fire Protection
General Office Occupations
Graphic Communications
Legal Assistant
Long Term Health Care (was Nursing Home Administration)
Medical Laboratory Technician
Mid-Management
Mineral Lease Records
Office Occupations
Ophthalmic Technician & Dispensing
Ornamental Horticulture
Petroleum Technology
Postal Management
Power Technology
Radiologic Technology
Real Estate Management
Recreation Leadership-Tennis
Teaching
Respiratory Therapy
Surveying
Welding

All sophomore courses in a student's major subject must be completed at Tyler Junior College unless otherwise approved by the appropriate dean. Health science students should check specific graduation requirements for their program.

*Graduation — a time
for new beginnings.*

Proficiency Certificates

Students completing with a minimum of a C average all courses in their major in a specific degree plan are awarded Certificates of Proficiency without the completion of liberal arts courses. Allied Health and Mineral Lease Records Degree plans are not eligible for proficiency certificates. Students completing all courses listed for the first two semesters of the computer science two year curriculum or of either of the two office occupations options are eligible to receive certificates of proficiency. Designated proficiency certificate programs in the School of Technology are:

- Computer Science — one-year program
- Medical Office Management
- Mineral Land Management
- Respiratory Therapy — certificate option
- Vocational Nursing

Additional Degrees

An additional associate degree may be conferred if all requirements for both degrees have been satisfactorily completed and at least 30 additional semester hours credit have been earned.

An associate degree and a certificate of proficiency may both be awarded, if the student has completed all requirements for both a degree and a certificate and has at least 15 hours additional credit above the requirement for the degree.

Student Responsibility

Each student is responsible for seeking advice, for knowing and meeting the requirements for the degree program of his or her interest, for enrolling in courses appropriate for that degree program and for taking courses in the proper sequence to ensure orderly and timely progress toward the degree.

The College awards the Associate in Arts Degree and the Associate in Applied Science Degree to students who complete both the general and specific requirements as set forth for the particular program desired and who make proper application to the registrar for the degree.

Graduation Under a Particular Catalog

To receive a degree from Tyler Junior College, a student must fulfill degree requirements for that degree as set forth in a catalog under which he is entitled to graduate. He should understand, however, that he has several choices: (1) He may graduate under the current catalog. (2) He may graduate under the catalog in force the year he first registered at Tyler Junior College (within the limitation stated in the second paragraph below). (3) He may graduate under the catalog for any subsequent year in which he was registered at Tyler Junior College (within the limitations stated in the following paragraphs).

All of these provisions are subject to the limitation that all requirements for a degree must be completed within four years of the date of the catalog chosen.

Dates of Graduation

Degrees will be dated the semester which they are applied for. Students who meet graduation requirements may be awarded degrees or certificates three times a year — in May, August and December. A commencement ceremony is held at the close of the spring semester. Students wishing to participate in this ceremony must apply for their degree in the spring semester.

Graduation Application Deadlines

It will be the responsibility of the students to apply for the appropriate degree or certificate for which they feel they are eligible. Graduation fees must be paid at the time of application for degree or certificate. The deadline for applying for a degree or certificate for the spring semester will be February 1. The deadline for applying for a degree or certificate at the end of summer terms will be July 15. The deadline for applying for a degree or certificate at the end of the fall semester will be October 1.



Opportunities for personal growth and enjoyment are available in non-credit courses through the Continuing Education Office.

Continuing Education

In accordance with its stated objectives, Tyler Junior College offers a large variety of non-credit educational courses, specifically designed for adult citizens who desire to improve their technical, professional, cultural or social learning beyond their present level of education. Most classes are designed to provide opportunities for individuals to continue in the academic or technical areas, but students may enroll in classes for creative activity, cultural endeavor or recreational activity.

Basically, the continuing education programs offer:

1. Adult Vocational Education for individuals wanting to upgrade their present skills enabling them to explore new occupational fields.
2. Community service for individuals and groups seeking to enhance the quality of living in the community through cultural and enrichment studies by providing opportunities to explore new activities for personal growth and enjoyment.
3. Resources for business, industry, labor, government and professional groups needing to supplement their own training and development pro-

grams. Training programs are tailor-made and, if desired, offered "in-house" to meet specific job upgrading and mobility needs of individual organizations.

Classes are offered during the day or in the evening and are provided when a sufficient number of students are enrolled. Non-credit courses are open to interested adults without regard to eligibility for admission to college-credit programs.

Tyler Junior College will award the Continuing Education Unit (CEU) to adults who participate in approved, non-credit continuing education activities administered by Tyler Junior College. One CEU is equal to 10 contact hours of participation in an organized continuing education experience under responsible sponsorship, capable direction and qualified instruction. In no instance should the award of CEU be equated with college credit applicable toward a degree.

For more information concerning continuing education programs, contact the dean of continuing education at 214/597-1536.



The Vaughn Library and Learning Resources Center offers the latest in audio-visual equipment.



The Bonna Bess Vaughn Conservatory on the TJC campus is home for the ornamental horticulture program.



Programs of Study

Associate in Arts Degrees

Concentration in Agriculture

1. Complete general degree requirements.
2. Complete these specific requirements.

Biology (8 credit hours)

From BIO 114C, 124C, 124B,
114M, 124M

Agriculture (12 credit hours)

Mathematics (3 credit hours)

From MTH 113 or higher level
mathematics course

Speech (3 credit hours)

From SPH 113, 113A or 223A

**Electives to total 62 hours. Students
should check senior college requirements.**

Suggested electives from chemistry,
agriculture, biology, English, humanities,
social science, health and physical
education.

Concentration in Art

1. Complete general degree requirements.
2. Complete these specific requirements.

Art (18 credit hours)

To include 113D, 123D, 113E, 123E
213 and 223

**Electives to total 62 hours. Student should
check senior college requirements.**

Suggested electives from mathematics,
laboratory science, social science,
English, humanities, health and physical
education.

40 Programs of Study

Concentration in Behavioral Science

(Majors in Psychology, Sociology, suggested for undecided majors)

1. Complete general degree requirements.
2. Complete these specific requirements.

English Literature (3 credit hours)
Any sophomore literature

Laboratory Science (8 credit hours)

Mathematics (6 credit hours)

Humanities, Social Science (6 credit hours)

Electives to total 62 hours. Student should check senior college requirements.

Suggested electives from social science, humanities, natural science, health and physical education.

Concentration in Business

1. Complete general degree requirements.
2. Complete these specific requirements.

English Literature (3 credit hours)
Any sophomore literature

Accounting (8 credit hours)
BA 214, 224

Economics (6 credit hours)
ECO 213, 223

Speech (3 credit hours)
SPH 113A

Humanities/ Behavioral Science (6 credit hours)
Electives

Laboratory Science (8 credit hours)
Chemical, Biological, Physical or Geological sciences

Mathematics (6 credit hours)
MTH 113K and MTH 123K

Computer Science Programming (3 credit hours)
From CS 113P, 213F, 223C, MTH 123C or 223S.

Electives (6 credit hours)
BA 113B or 213L or 3 credit hours
Approved Elective

Students who intend to transfer to a university and seek the baccalaureate degree in business administration should inquire of the university course requirements and plan a degree in business administration.

Concentration in Computer Science

1. Complete general degree requirements.
2. Complete these specific requirements.

Computer Science (12 credit hours)
From CS 113A or 113L, 113P, 123E, 213A, 223A, 213F or MTH 123C, 223C or MTH 123D

Laboratory Science (4 credit hours)
From *Biology, *Geology, + Chemistry or + Physics

Mathematics (6 credit hours)
To include MTH 113A or higher-level course (not to include MTH 123C)

Accounting and/or additional **Laboratory Science** and/or Additional **Mathematics** (6/8 credit hours)
From *BA 214, *BA 224 and/or from *Biology, *Geology, + Chemistry or + Physics and/or from *MTH 113K, *MTH 123K + MTH 213A, + MTH 213B

Humanities, Social Science or ***Economics** (6 credit hours)

Electives to total 62 hours.

*Recommended for business oriented degree.

+ Recommended for scientific or engineering oriented degree

Student should check senior college requirements.

Concentration in Engineering

1. Complete general degree requirements.
2. Complete these specific requirements.

Mathematics (12 credit hours)
To include MTH 213A, 213B, 223C

Engineering (6 credit hours)
EGR 213, 223A

Physics (8 credit hours)
From PHY 124A, 224A and 214A

Chemistry (4 credit hours)
CHM 114

Electives to total 62 hours. Student should check senior college requirements.

Suggested electives from mathematics, laboratory science, humanities, social science, health and physical education.

Concentration in Fine Arts

(Speech/Drama/Theatre Arts/
Dance/Art/Music)

1. Complete general degree requirements.
2. Complete these specific requirements.

English Literature (3 credit hours)
Any sophomore literature

**Mathematics, Foreign Language,
Laboratory Science** (12 credit hours)

**Speech/Drama/Theatre Arts/
Dance/Art/Music** (15 credit hours)
From any one area

**Electives to total 62 hours. Student should
check senior college requirements.**

Suggested electives from humanities,
social science, natural science, health and
physical education.

Concentration in Health and Physical Education

1. Complete general degree requirements.
2. Complete these specific requirements.

Health and Physical Education
Activity courses (4 credit hours)
To include HPE 111
Theory courses (12 credit hours)

**Mathematics or Laboratory
Science** (6 credit hours)

Humanities, Social Science (6 credit hours)

**Electives to total 62 hours. Student should
check senior college requirements.**

Suggested electives from natural science,
social science, humanities, health and
physical education.

Concentration in Home Economics

1. Complete general degree requirements.
2. Complete these specific requirements.

Home Economics (12 credit hours)

**Mathematics, Laboratory Science
or Foreign Language** (6 credit hours)

**Electives to total 62 hours. Student should
check senior college requirements.**

Suggested electives from social science,
laboratory science, humanities, home
economics, health and physical education.

Concentration in Journalism

1. Complete general degree requirements.
2. Complete these specific requirements.

English Literature (3 credit hours)
Any sophomore literature

Journalism (12 credit hours)
To include JRN 113, 213 and 223

**Mathematics, Laboratory Science
or Foreign Language** (12 credit hours)

**Humanities and
Social Science** (6 credit hours)

**Electives to total 62 hours. Student should
check senior college requirements.**

Suggested electives from humanities,
social science, mathematics, health and
physical education.



The excitement of a TJC football game is evident as this Apache Belle cheers for the home team.

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Concentration in Liberal Arts

(Majors in History, Government, Economics, Literature)

1. Complete general degree requirements.
2. Complete these specific requirements.

English Literature (3 credit hours)

Any sophomore literature

Humanities or

Social Science (12 credit hours)

To include HST 113A and 123A

Foreign Language, Laboratory Science or **Mathematics** (6 credit hours)

Electives to total 62 hours. Student should check senior college requirements.

Suggested electives from humanities, social science, laboratory science, mathematics, health and physical education.

Concentration in Mathematics

1. Complete general degree requirements.
2. Complete these specific requirements.

Mathematics (15 credit hours)

To include MTH 213A, 213B, 223C

Laboratory Science (8 credit hours)

Computer Science (3 credit hours)

From MTH 123C, 223S or
CS programming courses

Electives to total 62 hours. Student should check senior college requirements.

Suggested electives from English, mathematics, natural science, social science, foreign language, health and physical education.

Concentration in Music

1. Complete general degree requirements.
2. Complete these specific requirements.

Music (32 credit hours)

including (12) Theory-MU 113T, 123T
213T, 223T

(4) Sight Singing and Ear Training-
MU 111T, 121T, 211T, 221T

(12) Private lessons (instrument
and/or voice)

(4) Ensemble (band, choir, etc.)

Electives to total 62 hours. Student should check senior college requirements.

Suggested electives from English, mathematics, natural science, humanities, social science, health and physical education.

Concentration in Natural Science

(Majors in Biology, Chemistry, Geology, Physics, Pre-Med, Pre-Dental)

1. Complete general degree requirements.
2. Complete these specific requirements.

Chemistry (8 credit hours)

CHM 114, 124

Additional Laboratory Science (8 credit hours)

Mathematics (6 credit hours)

MTH 113A, 113B or higher level
mathematics

Electives to total 62 hours. Student should check senior college requirements.

Suggested electives from English, mathematics, natural science, foreign language, health and physical education.

Concentration in Speech/Theatre

1. Complete general degree requirements.
2. Complete these specific requirements.

English Literature (3 credit hours)
Any sophomore literature

Speech/Theatre (15 credit hours)
To include SPH 113C and SPH 123A

Electives to total 62 hours. Student should check senior college requirements.

Suggested electives from speech, theatre, humanities, social science, laboratory science, fine arts, health and physical education.

"Bus Stop" was one of several theatre productions offered during the 1985-86 season.

Concentration in Teacher Education

(Majors in Special Education, Elementary Education, Secondary Education)

1. Complete general degree requirements.
2. Complete these specific requirements.

English Literature (3 credit hours)
Any sophomore literature

Mathematics, Foreign Language, Laboratory Science (12 credit hours)
4 courses from 2 of these areas

Humanities, Social Science (6 credit hours)

Electives to total 62 hours. Student should check senior college requirements.

Suggested electives from social science, humanities, natural science, health and physical education.



Associate in Applied Science Degrees

Air Conditioning and Refrigeration Curriculum

First Year

Semester I

- ENG 113*** Composition and Rhetoric
MTH 113E* Applied Mathematics I
AC 113 Introduction to Air Conditioning and Refrigeration
AC 113A Fundamentals of Refrigeration
AC 113S Solar Systems Design and Installation
PSY 111 Freshman Orientation

Semester II

- AC 113D** Fundamentals of Electricity
AC 123A Refrigeration Machines and Commercial Refrigeration
AC 123B Blueprint Reading
MTH 123E* Applied Mathematics
HPE 111 Health Concepts
 Approved Elective

Second Year

Semester III

- AC 123D** Automatic Controls
AC 213A Heating
AC 213W Air Conditioning Welding Procedures
MMG 113S Small Business Management
PHY 113 Physics Problems

Semester IV

- AC 223A** Air Conditioning Systems Design
AC 223B Installation and Maintenance of Air Conditioning Systems
AC 223C Automatic Controls II
ENG 223B* Technical Report Writing
 Approved Elective

**Student placement in mathematics and English classes is based upon the results of tests and subjects completed before admission.*

Suggested Electives: BA 113A, BA 113B, BA 213L, CS 113A, CS 113C, CS 213C, CS 223X, DFT 123A, ELC 113E, ELC 113L, ELC 113M, ENG 123, GOV 213, GOV 223, History, MTH 113, MTH 113A, MTH 113B, OC 112M, OC 113T.

Bank Management Curriculum

First Year

Semester I

- ECO 213** Principles of Economics
ENG 113 Composition and Rhetoric
BM 9 hours of banking courses

Semester II

- BA 113A** Elementary Accounting
REM 123A Real Estate Finance
BM 9 hours of banking courses
HPE 111 Health Concepts

Second Year

Semester III

- BM** 9 hours of banking courses
MMG 113B Principles of Management
MMG 213B Personnel Management

Semester IV

- BA 123A** Elementary Accounting II
BM 9 hours of banking courses
 Elective — 3 hours

Computer Science Curriculum

(Certificate of Proficiency)

Semester I

- CS 112 Data Entry I
- CS 112B Introduction to Computer Operations
- CS 113A Introduction to Computers
- CS 113C Computer Literacy
- BA 113A Elementary Accounting
- OC 113R Business English
- PSY 111 Freshman Orientation

Semester II

- CS 122 Data Entry II
- CS 123B Computer Operating Systems
- CS 123T Microcomputers
- CS 213C Introduction to Computer Hardware, or Approved Elective
- BA 123A Elementary Accounting
- OC 123C Business Communications

Suggested Electives: CS 113L, CS 113P, CS 113Y, CS 123Y, CS 123C, CS 213F, CS 213W, CS 213Y, CS 123C, OC 123W.

Computer Science Curriculum

(Two-year Program)

First Year

Semester I

- CS 112 Data Entry I
- CS 112B Introduction to Computer Operations
- CS 113A Introduction to Computers
- CS 113L Introduction to Computer Programming Logic
- BA 113A Elementary Accounting
- or
- BA 214 Principles of Accounting
- ENG 113 Composition and Rhetoric
- PSY 111 Freshman Orientation

Semester II

- CS 113C Computer Literacy
- CS 123E Computer Programming: Assembly Language
- CS 123L Advanced Computer Programming Logic
- SPH 223A Business and Professional Speaking
- MTH 113* Intermediate Algebra
- HPE 111 Health Concepts

Second Year

Semester III

- CS 113P Computer Programming Pascal
- or
- CS 213C Introduction to Computer Hardware
- CS 213A Computer Programming: COBOL
- CS 213B Systems Analysis I
- CS 213F Computer Programming: BASIC Language
- or
- CS 213C Introduction to Computer Hardware
- ENG 223B Technical Report Writing

Semester IV

- CS 213R Computer Programming: RPG II
- CS 223A Advanced Computer Programming: COBOL
- CS 223B Systems Analysis II
- Elective from Humanities or Social Science
- CS 223G Advanced Computer Programming: BASIC LANGUAGE
- or
- CS 223C Computer Programming: FORTRAN
- or Approved Elective

*Student placement in mathematics classes is based upon results of tests and subjects completed before admission.

Suggested Electives: CS 113Y, CS 122, CS 123B, CS 123C, CS 123T, CS 123Y, CS 213C, CS 213S, CS 213W, CS 223Y, OC 113T, OC 123W, MMG 113S, MMG 211, MTH 113E, MTH 123C, MTH 123E.

For associate in arts degree with a concentration in computer science, see page 40.

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Criminal Justice Curriculum

First Year

Semester I

- ENG 113 Composition and Rhetoric
- HST 213 History of the United States
- CJ 113 Introduction to Criminal Justice
- CJ 113B Police Organization and Administration
- CJ 113C* Probation and Parole
- PSY 111 Freshman Orientation

Semester II

- ENG 123 Composition and Rhetoric
- HST 223 History of the United States
- SPH 223A Business and Professional Speaking
- CJ 123B Police Role in Crime and Delinquency
- CJ 123C Patrol Administration
- or
- CJ 123D Criminology
- HPE 111 Health Concepts

Second Year

Semester III

- PSY 213 Introduction to Psychology
- GOV 213 American Government
- SOC 213 Introduction to Sociology
- or
- CJ 213C Criminalistics
- CJ 213A Criminal Investigation
- CJ 213B Legal Aspects of Criminal Justice

Semester IV

- GOV 223 National and State Government
- SOC 223 Social Problems
- or
- CJ 223E* Police Defense Tactics
- CJ 223B* Traffic Planning and Administration
- CJ 223C Criminal Procedure and Evidence
- CJ 223D Police Community Relations

**Non-Core Curriculum Courses.*

Dental Hygiene Curriculum

First Year

Semester I

- DH 112R Dental Hygiene Radiography
- DH 113 Oral Anatomy and Physiology
- DH 113C Dental Hygiene Clinic I
- BIO 114D Anatomy and Physiology
- BIO 114A Microbiology
- PSY 111 Freshman Orientation

Semester II

- DH 122A Pathology
- DH 123C Dental Hygiene Clinic II
- DH 123 Oral Histology and Embryology
- BIO 124D Anatomy and Physiology
- CHM 113D Elementary Chemistry
- HPE 111 Health Concepts

Summer Session I

- ENG 113 Composition and Rhetoric
- PSY 213 Introduction to Psychology

Summer Session II

- ENG 123 Composition and Rhetoric
- SOC 213 Introduction to Sociology

Second Year

Semester III

- DH 212 Pharmacology
- DH 212D Clinical Nutrition
- DH 213H Community Dental Health I
- DH 212P Periodontology
- DH 213 Dental Materials
- DH 213C Dental Hygiene Clinic III

Semester IV

- DH 221G Graphics and Audio Visuals
- DH 221S Seminar
- DH 223C Dental Hygiene Clinic IV
- DH 224H Community Dental Health II
- SPH 113A Fundamentals of Speech

Drafting Curriculum

First Year

Semester I

- DFT 113A Mechanical Drawing I
- DFT 113B Illustration Drawing
- DFT 223E Electrical Drafting
- ENG 113 Composition and Rhetoric
- MTH 113E* Applied Mathematics
- PSY 111 Freshman Orientation

Semester II

- DFT 123A Architectural Drawing
- DFT 123B Mechanical Drawing II
- DFT 213D Descriptive Geometry
- ENG 223B Technical Report Writing
- MTH 123E* Applied Mathematics II
- HPE 111 Health Concepts

Second Year

Semester III

- DFT 213P Pipe Drafting
- DFT 213G Computer-Aided Drafting I
- DFT 223S Structural Drafting
- SPH 223A Business and Professional Speaking
- MTH 113T* Trigonometry or MTH 113B

Semester IV

- DFT 223B Map Drafting
- DFT 223C Plane Surveying
- DFT 223G Computer-Aided Drafting II
- PHY 113D Industrial Strength of Materials
- Approved Elective

**Student placement in mathematics classes is based upon the results of tests and subjects completed before admission.*

Suggested Electives: DFT 223P, MMG, 113C, SUR 223R, History, Government.

Electronics Curriculum

(See Power Technology)

First Year

Semester I

- ELC 113 Digital Electronics
- ELC 113L Electronic Circuits and Devices
- ELC 113M Electronic Circuit Analysis
- ENG 113 Composition and Rhetoric
- MTH 113H* Electronics Math
- PSY 111 Freshman Orientation

Semester II

- ELC 123 Microprocessors and Digital Systems
- ELC 123A Electromagnetics
- ELC 123L Solid-State Electronics
- ELC 123M Solid-State Circuit Analysis
- CS 213S Software Development for Microprocessors
- HPE 111 Health Concepts

Second Year

Semester III

- ELC 213A Microcomputer Hardware Systems
- ELC 213C Integrated Circuit Applications
- ELC 213T Electronic Communications
- EGR 112 Engineering Drawing
- ENG 223B Technical Report Writing
- PHY 113 Physics Problems

Semester IV

- ELC 223A Microprocessor Interfacing
- ELC 223T Telecommunications
- ELC 223R Robotics and Automated Systems
- DFT 223E Electronic Drafting
- SPH 223A Business and Professional Speaking

**Student placement in mathematics classes is based upon results of tests and subjects completed before admission.*

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Farm and Ranch Management Curriculum

First Year

Semester I

ENG 113 Composition and Rhetoric
RMG 113 Principles of Soil Management
RMG 113C Farm Buildings & Construction
RMG 123A Agri Economics and Finance
RMG 223C Principles of Agriculture Marketing
PSY 111 Freshman Orientation

Semester II

ENG 223B Technical Report Writing
RMG 113A Principles of Animal Husbandry
RMG 123D Farm Power Machinery
RMG 123F Principles of Feed Production
RMG 123G Farm and Ranch Appraising
HPE 111 Health Concepts

Summer Session I

RMG 116S Ranch Training On-The-Job

Second Year

Semester III

MTH 113E Applied Mathematics
RMG 213 Principles of Agriculture Sales
RMG 213A Livestock Rations
RMG 214 Farm Shop
RMG 223 Animal Health

Semester IV

SPH 223A Business and Professional Speaking
RMG 223A Farm and Ranch Records
RMG 223B Principles of Beef Cattle Production
RMG 223D Principles of Livestock Reproduction
RMG 223E Farm Shop II

Suggested Electives: BIO 114C, BIO 124B, GOV 213, GOV 223, HST 213, HST 223, PSY 223, SOC 213, OC 113T.

Fashion Merchandising and Retailing Curriculum

First Year

Semester I

ENG 113 Composition and Rhetoric
FMR 113 Introduction to Retailing
FMR 113A* Professional Dev. Training I or Approved Elective
FMR 113B Color, Line and Design
FMR 113C Fashion Textile
PSY 111 Freshman Orientation

Semester II

FMR 123 Fashion Marketing
FMR 123A* Professional Dev. Training II or Approved Elective
FMR 123B Fashion Apparel: Manufacturing and Design
MMG 223 Salesmanship
SPH 113A Fundamentals of Speech
HPE 111 Health Concepts

Second Year

Semester III

FMR 213 Visual Merchandising and Promotion
FMR 213A* Professional Dev. Training III or Approved Elective
BA 113B Introduction to Business
MMG 113B Principles of Management
CS 113C Computer Literacy

Semester IV

FMR 223 Retail Buying
FMR 223A* Professional Dev. Training or Approved Elective
FMR 223B Retail Mathematics
ENG 223B Technical Report Writing
JRN 123 Introduction to Advertising

**Fashion merchandising and retailing internship includes twenty hours of supervised work experience each week, with a one-hour related weekly seminar. Students are limited to only one internship course per semester.*

Suggested Electives: MMG 113C, MMG 113S, BA 113A, ECO 213, ECO 223, FR 113, FR 123, FR 114, FR 124, SPH 213I, History, Government.

Fire Protection Curriculum

First Year

Semester I

- FPT 113 Fundamentals of Fire Protection
- FPT 113A Industrial Fire Protection I
- FPT 113H Fire Science Chemistry I
- ENG 113 Composition and Rhetoric
- MTH 113E* Applied Mathematics I

Semester II

- FPT 123 Fire Protection Systems
- FPT 123A Fire Prevention
- FPT 123B Industrial Fire Protection II
- FPT 123H Fire Science Chemistry II
- SPH 223A Business and Professional Speaking
- HPE 111 Health Concepts

Second Year

Semester III

- FPT 213 Fire Administration I
- FPT 213A Building Codes and Construction
- FPT 213B Fire and Arson Investigation
- ENG 223B Technical Report Writing
- GOV 223 American State Government

Semester IV

- FPT 223 Hazardous Materials I
- FPT 223A Fire Administration II
- FPT 223B Fire Fighting Tactics and Strategy
- Approved Elective**
- Free Elective

*Student placement in mathematics classes is based upon the results of tests and subjects completed before admission.

**Approved Electives: FPT 113B, FPT 113C, FPT 113D, FPT 113E, FPT 113F, FPT 113G, FPT 223C.

Graphic Communications Curriculum

First Year

Semester I

- GC 113 Basic Photography
- GC 113A Basic Graphics
- GC 213A Photographic Reproduction
- ENG 113 Composition and Rhetoric
- MTH 113* College Algebra
- PSY 111 Freshman Orientation

Semester II

- GC 123 Advanced Photography
- GC 123B Reproduction Layout and Design
- GC 223 Portrait Photography
- ENG 223B Technical Report Writing
- MTH 113T* Applied Trigonometry or MTH 113B
- HPE 111 Health Concepts

Second Year

Semester III

- GC 213 Commercial Photography
- GC 213C Color Photography I
- GC 223A Graphic Reproduction
- SPH 223A Business and Professional Speaking
- Approved Elective

Semester IV

- GC 223B Commercial Advertising Techniques
- GC 223C Color Photography II
- GC 223D Commercial Photography II
- PSY 223 Applied Psychology
- Approved Elective

*Student placement in mathematics is based upon the results of tests and subjects completed before admission.

Suggested Electives: HST 213, HST 223, GOV 213, GOV 223, ART 113D, CHM 114, MMG 223B, MMG 113S.

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Legal Assistant Curriculum

First Year

Semester I

- ENG 113** Composition and Rhetoric
BA 113A Elementary Accounting
or
BA 214 Principles of Accounting
OC 123T* Intermediate Typing
LA 113A Introduction to the Legal System
LA 111E Legal Ethics
MMG 113C Human Relations in Management
PSY 111 Freshman Orientation

Semester II

- LA 123** Legal Writing
LA 123R Legal Research
BA 213L Business Law
GOV 213 American Government
HPE 111 Health Concepts
Approved Elective (3 hours)

Second Year

Semester III

- CS 113C** Computer Literacy
LA 123A Legal Interview, Counseling and Human Relations
LA 213C Constitutional Law
OC 123W Word Processing
Approved Elective (3 hours)

Semester IV

- GOV 223** American State Government
LA 223 Litigation
LA 223A Law Office Management and Procedures
LA 223B Internship
or Approved Elective
OC 213W Word Processing
or Approved Elective (3 hours)

Course waivers, prerequisites or substitutions may be approved by the program coordinator and division dean.

**If student has Intermediate Typing credit or equivalent skill then an approved elective may be substituted for OC 123T.*



The Apache Band which is open to all qualified students also accompanies the Apache Belles.

Long Term Care Administration Curriculum

First Year

Semester I

- ENG 113* Composition and Rhetoric
Biology or Approved Elective
 LTC 113 Introduction to Long Term Care Administration
 LTC 113A Psychology of Patient Care
 LTC 113G Group Activities

Semester II

- SPH 223A Business and Professional Speaking
 BA 214 Principles of Accounting or
 BA 113A Elementary Accounting
 LTC 122 Long Term Care Administration Standards
 LTC 123 Technology of Patient Care
 LTC 123A Long Term Care Administration Law
 HPE 111 Health Concepts

Second Year

Semester III

- GOV 213 American Government
 CS 113C Computer Literacy
 LTC 213 Long Term Care Internship Seminar I
 LTC 213B** Long Term Care Internship I
 LTC 213A Financial Management of Long Term Care Facility

Semester IV

- ENG 123 Composition and Rhetoric
 PSY 213 Introduction to Psychology
 LTC 223 Long Term Care Internship Seminar II
 LTC 223A** Long Term Care Internship II
 LTC 224A Nutrition and Quantity Foods

Approved Electives: MMG 213B, MMG 223B, MMG 113C.

**Student placement in ENG 113 is based upon the results of tests and subjects completed before admission.*

***The LTC Internship is 20 hours per week in a supervised on-job-training in a nursing home.*



Tyler Junior College's Apache Belles are testimony to a Texas tradition — dance/drill teams.

Medical Laboratory Technician Curriculum

First Year

Semester I

ENG 113* Composition and Rhetoric
 BIO 114D Anatomy and Physiology
 MED 113 Basic for Allied Health Service
 BIO 114A Microbiology
 PSY 111 Freshman Orientation
 HPE 111 Health Concepts

Semester II

CHM 114 General Chemistry
 MTH 113* Algebra
 MED 123 Clinical Microbiology
 BIO 124D Anatomy and Physiology
 MED 123A Special Clinical Microbiology

Summer Semester II

MED 123S Clinical Practice I
 PSY 213 Introductory Psychology

Second Year

Semester III

CHM 124 General Chemistry
 MED 213A Medical Laboratory Techniques I
 MED 213C Clinical Chemistry
 MED 223A Medical Laboratory Techniques II
 ENG 123 Composition and Rhetoric
 or
 ENG 223B Technical Report Writing

Semester IV

MED 226 Clinical Practice II
 MED 226A Clinical Practice III

Summer Semester I

MED 216S Clinical Practice IV

**Student placement in English and mathematics classes is based upon results of tests and subjects completed before admission.*

Medical Office Management Curriculum

(Certificate of Proficiency)

Semester I

MOM 113 Medical Terminology I
 MOM 113A Medical Office Procedures
 OC 113F Introduction to Secretarial
 Procedures
 or Approved Elective
 OC 113T Beginning Typing, Intermediate
 Typing or OC 123W Word
 Processing
 OC 113R Business English
 PSY 111 Freshman Orientation

Semester II

MOM 121 Accident and Health Insurance
 MOM 123 Medical Terminology II
 CS 113C Computer Literacy
 MMG 113B Principles of Management
 MMG 113C Human Relations
 BA 113A Elementary Accounting
 OC 112M Business Machines

Approved Electives: BA 214, MMG 213B, BA 123A, OC 223F, OC 213T, ENG 113, OC 123W, OC 213W.

Mid-Management Curriculum

First Year

Semester I

- MMG 113A*** Professional Development Seminar I
or Approved Elective
MMG 113B Principles of Management
MMG 113C Human Relations in Management
BA 113B Introduction to Business
ENG 113 Composition and Rhetoric
PSY 111 Freshman Orientation

Semester II

- MMG 123** Principles of Marketing
MMG 123A* Professional Development Seminar II
or Approved Elective
BA 113D Business Mathematics
CS 113C Computer Literacy
ENG 223B Technical Report Writing
HPE 111 Health Concepts

Second Year

Semester III

- MMG 213** Advertising and Promotion
MMG 213A* Professional Development Seminar III
or Approved Elective
MMG 213B Personnel Management
BA 113A Elementary Accounting
or
BA 214 Principles of Accounting
ECO 213 Principles of Economics

Semester IV

- MMG 223** Salesmanship
MMG 223A* Professional Development Seminar IV
or Approved Elective
MMG 223B Introduction to Public Relations
SPH 223A Business and Professional Speaking
Approved Elective

**Fashion merchandising and retailing internship includes twenty hours of supervised work experience each week, with a one-hour related weekly seminar. Students are limited to only one internship course per semester.*

Approved Electives: MMG 223R, MMG 113S, SPH 213I, FMR 223, FMR 223B, BA 213L, OC 112M, OC 123W, CS 113A, ENG 123, SPN 113, SPN 114, SPN 124, ECO 223.

Mineral Land Management Curriculum

Semester I

- REM 113** Real Estate Principles
REM 113B Introduction to Land Records
OC 113T Beginning Typing
or Approved Elective
BA 113 Oil and Gas Law
ENG 113 Composition and Rhetoric

Semester II

- REM 213** Methods in Land Title Investigation
REM 123 Real Estate Law
DFT 123R Drafting for Real Estate
SPH 223A Business and Professional Speaking
ENG 223B Technical Report Writing
or Approved Elective

Approved Electives: BA 113A, REM 113D, DFT 223C, MMG 113C, REM 123B, GOV 213, GOV 213, PT 113, GEO 114.

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Mineral Lease Records Curriculum

First Year

Semester I

ENG 113 Composition and Rhetoric
GEO 114 General Geology
CS 113C* Computer Literacy
REM 113 Real Estate Principles
REM 113B Introduction to Land Records
PSY 111 Freshman Orientation

Semester II

MMG 113C Human Relations
BA 214* Principles of Accounting
MTH 113E Applied Mathematics or MTH 113
REM 213F Introduction to Boundary Location
REM 213 Methods in Title Investigation
HPE 111 Health Concepts

Second Year

Semester III

ENG 223B Technical Report Writing or ENG 123
REM 213E Land Title Problems
DFT 223B Map Drafting
BA 113 Oil and Gas Law
PT 113* Petroleum Development

Semester IV

GOV 223 American State Government
REM 223E Contracts and Negotiable Instruments
REM 123* Real Estate Law
REM 223G Railroad Commission Filings
REM 223L Land Records Management

**Approved Electives: BA 113A, REM 113D, DFT 223C, MMG 113B, OC 113T, MTH 113, CS 113L, CS 213F.*

NOTE: CS 113C Computer Literacy and PT 113 Petroleum Development are recommended for Landpersons.

NOTE: CS 113L Computer Programming Logic and CS 213F Computer Programming BASIC Language are recommended for In-house Records persons (Math requirement must be satisfied).



Hospital experience is part of the training for the nursing programs at Tyler Junior College.

Nursing, Associate Degree (ADN) Curriculum

First Year

Summer Session II

- ENG 113 Composition and Rhetoric
PSY 213 Introduction to Psychology

Semester I

- NSG 112A* Special Topics
NSG 117A Nursing I
BIO 114D* Anatomy and Physiology
(prior to Summer I '83,
BIO 113B)

Semester II

- NSG 129 Nursing II
BIO 124D* Anatomy and Physiology
(prior to Fall '83, BIO 123B)
SOC 213 Introduction to Sociology
HPE 111 Health Concepts

Summer Session I

- ENG 123 Composition and Rhetoric
PSY 223A Child Growth and Development

Second Year

Semester III

- NSG 225 Nursing III (8 weeks)
NSG 225A Nursing IV (8 weeks)
BIO 114A* Microbiology

Semester IV

- NSG 235 Nursing V (8 weeks)
NSG 235A Nursing VI (8 weeks)
*Free Elective (3 semester hours)

ADN-LVN Transition Curriculum

First Year

Prerequisites

- BIO 114D Anatomy and Physiology
BIO 124D Anatomy and Physiology
ENG 113 Composition and Rhetoric
ENG 123 Composition and Rhetoric
PSY 213 Introduction to Psychology

- PSY 223A Child Growth and Development
SOC 213 Introduction to Sociology

Semester I or Summer Session

- NSG 115 LVN Transition

Second Year

See Semesters III and IV of Traditional curriculum.

**Must be taken concurrently with nursing courses scheduled if no previous credit with grade of "C" or better.*

Deviation from the required curriculum schedule must be approved by the Program Coordinator.

NON-NURSING COURSES MAY BE TAKEN PRIOR TO ADMISSION TO THE NURSING PROGRAM.

Nursing, Vocational (VNE) Curriculum

Semester I (16 weeks)

- VNE 113 Health Maintenance
VNE 114 Science for VNE
VNE 114A Med/Surg Nursing I
VNE 116 Essentials of Nursing

Semester II (18 weeks)

- VNE 123 Nursing Care of Children
VNE 123A Maternity Nursing
VNE 128 Med/Surg Nursing II

Summer Session (14 weeks)

- VNE 137 Long Term Care Nursing
VNE 137A Community Health Nursing

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Office Occupations Curriculum

(General Option)

First Year

Semester I

OC 112M	Business Machines
OC 113F	Introduction to Secretarial Procedures
OC 113R	Business English
OC 123T	Intermediate Typing
BA 113A	Elementary Accounting
PSY 111	Freshman Orientation

Semester II

OC 123C	Business Communications
OC 122	Machine Transcription
OC 213T	Advanced Typing
OC 123W	Word Processing I
BA 113D	Business Math
BA 123A*	Elementary Accounting
HPE 111	Health Concepts

Second Year

Semester III

OC 213F	Advanced Secretarial Procedures
OC 213W	Word Processing II
CS 112	Data Entry I
CS 112B	Introduction to Computer Operation
MMG 113C	Human Relations
ENG 113	Composition and Rhetoric

Semester IV

CS 122	Data Entry II
ENG 223B	Technical Report Writing
BA 213L	Business Law
CS 113C	Computer Literacy
OC 223F	
BA 113B	

*BA 214 Accounting may be taken in the place of BA 113A and BA 123A if two additional elective hours are completed.
Suggested Electives: BA 214, BA 224, BA 113B, ECO 213, GOV 213, GOV 223, HST 213, HST 223, PSY 213, SPH 223A, MMG 211, OC 113T, SPN 113.

Office Occupations Curriculum

(Secretarial Option)

First Year

Semester I

OC 112M	Business Machines
OC 113F	Introduction to Secretarial Procedures
OC 113R	Business English
OC 123T	Intermediate Typing
OC 114S	Elementary Shorthand
PSY 111	Freshman Orientation

Semester II

OC 123C	Business Communications
OC 213T	Advanced Typing
OC 123W	Word Processing I
OC 124S**	Intermediate Shorthand
OC 122	Machine Transcription
HPE 111	Health Concepts

Second Year

Semester III

OC 213F	Advanced Secretarial Procedures
OC 213W	Word Processing II
CS 112	Data Entry
BA 113A*	Elementary Accounting
BA 113D	Business Math

Semester IV

OC 223F	Executive Secretary
BA 123A*	Elementary Accounting
ENG 113	Composition and Rhetoric
CS 113C	Computer Literacy
MMG 113C	Human Relations

*BA 214 Accounting may be taken in place of BA 113A and BA 123A if two additional elective hours are completed.

Ophthalmic Technician and Dispensing Curriculum

First Year

Semester I

- ENG 113* Composition and Rhetoric
 MTH 113E* Applied Mathematics I
 Approved Elective
 OD 113 Ophthalmic Materials and Lab I
 OD 113B Introduction to Ophthalmic Dispensing
 PSY 111 Freshman Orientation

Summer Session I

- OD 114S Practicum

Semester II

- OD 123 Ophthalmic Materials and Lab II
 OD 123A Anatomy and Physiology of the Eye
 OD 123B Principles of Optics I
 MMG 113S Small Business Management
 HPE 111 Health Concepts
 Approved Elective

Summer Session II

- OD 124S Practicum

Second Year

Semester III

- OD 213 Ophthalmic Materials and Lab III
 OD 213A Ophthalmic Dispensing I
 OD 213B Principles of Optics II
 OD 213C Practicum or Approved Elective
 OD 213D Office Procedures, Ethics and Insurance

Semester IV

- OD 223 Contact Lenses and Special Aids
 OD 224A Ophthalmic Dispensing II
 OD 223D Seminar
 ENG 223B Technical Report Writing
 OD 223C Practicum or Approved Elective

**Student placement in English and math classes is based upon the results of tests and subjects completed before admission.*

Suggested Electives: MMG 113C, MMG 223R, CS 113A, ENG 123, SPH 113A, history, government, BA 113A, MMG 213B.

Ornamental Horticulture Curriculum

First Year

Semester I

- ENG 113 Composition and Rhetoric
 HRT 113A Landscape Plant Materials
 HRT 123A Herbaceous and Tropical Plants
 HRT 213 Greenhouse Horticulture
 MTH 113E Applied Mathematics I
 PSY 111 Freshman Orientation

Semester II

- BA 113A Elementary Accounting
 AGR 123B Horticulture
 HRT 123B Floral Design I
 HRT 123C Landscape Maintenance
 MMG 223 Salesmanship
 HPE 111 Health Concepts

Second Year

Semester III

- MMG 113S Small Business Operations
 HRT 213A Nursery Operation
 HRT 213C Floral Design II
 HRT 213E Greenhouse Crop Production
 Approved Elective (3 hours)

Semester IV

- BIO 124B Botany
 HRT 214 Fundamentals of Design and Landscaping
 HRT 223 Ornamental Crop Production
 HRT 223D Landscape Development
 HRT 223P Horticulture Pest Control and Chemicals

Suggested Electives: MMG 113B, MMG 113C, MMG 123, MMG 223R, HST 213, HST 223, GOV 213, GOV 223, BA 123A.

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Petroleum Technology Curriculum

First Year

Semester I

PT 113 Petroleum Development
PT 113A Introduction to Petroleum Industry
PT 113B Petroleum Equipment Field Lab
ENG 113 Composition and Rhetoric
MTH 113E Applied Mathematics or MTH 123E
PSY 111 Freshman Orientation

Semester II

PT 123 Production Methods
PT 123A Rotary Drilling
PT 123B Oilfield Records
ELC 113P Electronics for Petroleum Technicians
MTH 113 College Algebra or MTH 123E
HPE 111 Health Concepts

Second Year

Semester III

PT 213A Petroleum Laboratory Methods
PT 213B Well Logging Methods
PT 213D Petroleum Surveying and Drafting
MTH 113B Trigonometry or MTH 113T
PHY 113 Elementary Physics

Semester IV

PT 223 Natural Gas Production
PT 223A Completion Methods
PT 223C Hydraulics for Petroleum Technology
ENG 223B Technical Report Writing
GEO 114 General Geology

Postal Management Curriculum

First Year

Semester I

ENG 113 Composition and Rhetoric
MTH 113L* Fundamentals of Math
MMG 113B Principles of Management
PMT 113 Introduction to Postal Service
PMT 113A Mail Processing
PSY 111 Freshman Orientation

Semester II

ENG 223B Technical Report Writing
SPH 223A Business and Professional Speaking
MMG 223B Public Relations
PMT 123A Postal Customer Service
PMT 123 Postal Rules and Regulations
HPE 111 Health Concepts

Second Year

Semester III

GOV 213 American Government
Approved Elective
MMG 113C Human Relations
PMT 213 Postal Accounting and Finance Procedures
PMT 213S Seminar I — Training and Employee Development

Semester IV

GOV 223 American State Government
Approved Elective
PMT 223S Seminar II — Postal Problems and Analysis
PMT 223 Postal Management and Supervision
PMT 223A Employee and Labor Relations

**Student placement in mathematics classes is based upon the results of tests and subjects completed before admission.*

Approved Electives: SOC 213, PSY 213, BA 213L, MMG 223, BA 113M, Accounting, Typewriting.

Power Technology Curriculum

(See Electronics)

Semester I

- ELC 113 Digital Electronics
- ELC 113L Electronic Circuits and Devices
- ELC 113M Electronic Circuit Analysis
- ENG 113 Composition and Rhetoric
- MTH 113H* Electronics Math
- PSY 111 Freshman Orientation

Summer Session

- ELC 123B Electrical Power Measurements
- ELC 123D Telecommunications for Electrical Power Technology

Semester II

- ELC 123 Microprocessors and Digital Systems
- ELC 123A Electromagnetics
- ELC 123L Solid-State Electronics
- ELC 123M Solid-State Circuit Analysis
- CS 213S Software Development for Microprocessors
- EGR 112 Engineering Drawing
- HPE 111 Health Concepts

Summer Session

- ELC 123C Electrical Power Systems
- ELC 123E Microprocessor Applications for Electrical Power Technology

Semester III

- ELC 213A Microcomputer Hardware Systems
- ELC 213C Integrated Circuit Applications
- DFT 223E Electronic Drafting
- ENG 223B Technical Report Writing
- PHY 113 Physics Problems
- SPH 223A Business and Professional Speaking

Summer Session

- ELC 223R Robotics and Automated Systems
- ELC 223G Power Distribution

*Student placement in mathematics classes is based upon results of tests and subjects completed before admission.



TJC cheerleaders lead the way in spirit at a pep rally for the Apache football team.

Radiologic Technology Curriculum

First Year

Semester I (16 weeks)

- PSY 111 Freshman Orientation
- ENG 113 Composition and Rhetoric
- PHY 113X Radiologic Physics I
- XRT 111 Methods of Patient Care
- XRT 113 Radiologic Technology I
- XRT 113C Clinical Education I
- XRT 113B Human Structure and Function I

Semester II (XRT courses: 18 wks.)

- PHY 123X Radiologic Physics II
- XRT 123A Radiologic Technology II
- XRT 123C Clinical Education II
- XRT 123B Human Structure and Function II

Summer Session (13 weeks)

- XRT 116S Clinical Education III
- XRT 112S Introduction to Computer Literacy

Second Year

Semester III

- PSY 213 Introduction to Psychology
- XRT 211 Clinical Education IV
- XRT 213C Radiologic Technology III
- XRT 213A Radiobiology and Protection
- XRT 213B Imaging

Semester IV (XRT courses: 18 wks.)

- ENG 223B* Technical Report Writing
- XRT 221 Clinical Education V
- XRT 221A Department Administration
- XRT 222 Quality Assurance
- XRT 222A Pathology
- XRT 223A Radiologic Technology IV
- Approved General Education Elective (3 Semester Hours)
- HPE 111 Health Concepts

Summer Session (13 weeks)

- XRT 216S Clinical Education VI
- XRT 212S Seminar

*May substitute ENG 123.

Approved General Education Electives: English, history, government, math, laboratory science, sociology.



Radiologic technology students are well-versed in proper X-Ray procedures.

Real Estate Management Curriculum

First Year

Semester I

ENG 113 Composition and Rhetoric
 MMG 213 Advertising and Promotion
 REM 113* Principles of Real Estate
 REM 113D* Real Estate Math
 REM 113E* Real Estate Marketing
 PSY 111 Freshman Orientation

Semester II

DFT 123R Drafting for Real Estate
 REM 123* Real Estate Law
 REM 123A* Real Estate Finance
 REM 123L* Real Estate Law Contracts
 ENG 223B Technical Report Writing
 HPE 111 Health Concepts

Second Year

Semester III

REM 123B* Real Estate Appraisal I
 REM 113B*** Introduction to Land Records
 or Approved REM Elective
 REM 213C** Real Estate Internship
 or Approved REM Elective
 BA 113 Oil and Gas Law
 SPH 223A Business and Professional
 Speaking

Semester IV

REM 213 Methods in Title Investigation
 REM 223C** Real Estate Internship
 or Approved REM Elective
 REM 223B*** Real Estate Brokerage
 or Approved REM Elective
 REM 213D Real Estate Appraisal II
 BA 214 Principles of Accounting
 or
 BA 113A Elementary Accounting

*Denotes core Real Estate courses as designated by the Texas Real Estate Commission.

**Student must have completed 18 semester hours in real estate courses before taking a second internship real estate course.

***Approved Electives: REM 223A, REM 213B, REM 223D, REM 223F.



For a speech class project, this enterprising TJC coed brought Bossy to school to illustrate her topic, "How to Milk a Cow."

Recreation Leadership Curriculum

(Tennis Teaching)

First Year

Semester I

ENG 113 Composition and Rhetoric
BA 113A* Elementary Accounting
REC 113 Individual Tennis Instruction
REC 113S Tennis Seminar
REC 112L** Tennis Teaching Lab I
PSY 111 Freshman Orientation

Semester II

ENG 123 Composition and Rhetoric
BA 123A* Elementary Accounting
REC 122L** Tennis Teaching Lab II
REC 123A Scientific Approach to Tennis Teaching
REC 123G Group Dynamics Tennis Instruction
REC 123S Tennis Seminar II
HPE 111 Health Concepts

Summer Semester

REC 114S Summer Tennis Experience (Lab)
or
REC 112S Summer Tennis Experience

Second Year

Semester III

BA 113B Introduction to Business
PSY 213 Introductory Psychology
SPH 113A Speech
REC 213C Tennis Camp and Club Management
REC 212L** Tennis Teaching Lab III
REC 213S Tennis Seminar III

Semester IV

BA 213L Business Law
SOC 213 Introductory Sociology
FM 223B Retail Mathematics
REC 223E Contemporary Concepts in Tennis Instruction
REC 222L** Tennis Teaching Lab IV
REC 223S Tennis Seminar IV

*BA 214 may be substituted for BA 113A and BA 123A.

**Must be taken concurrently with ■ Tennis Seminar.



Twelve modern, lighted tennis courts are available for TJC's national title winning tennis teams and its one-of-a-kind tennis tech program.

Respiratory Therapy Technology Curriculum

(Certification Option)

Semester I

- RT 112 Cardiopulmonary Anatomy and Physiology I
- RT 113 Basic Skills
- RT 114 Clinical Orientation
- RT 114A Technology I
- MTH 113E* Applied Mathematics I
- PSY 111 Freshman Orientation

Semester II

- RT 121 Pediatric Care
- RT 122 Pharmacology I
- RT 123 Clinical Laboratory
- RT 123A Pathology
- RT 124 Technology II
- BIO 114D Anatomy and Physiology

Summer Session I (6 weeks)

- RT 114S Clinical Experience I

Summer Session II (6 weeks)

- RT 124S Clinical Experience II

*Student placement in mathematics is based upon the results of tests and subjects completed before admission.

Respiratory Therapy Technology Curriculum

(Registry Option)

First Year

Semester I

- RT 112 Cardiopulmonary Anatomy and Physiology I
- RT 113 Basic Skills
- RT 114 Clinical Orientation
- RT 114A Technology I
- MTH 113E* Applied Mathematics I
- PSY 111 Freshman Orientation

Semester II

- RT 121 Pediatric Care
- RT 122 Pharmacology I
- RT 123 Clinical Laboratory
- RT 123A Pathology
- RT 124 Technology II
- BIO 114D Anatomy and Physiology
- HPE 111 Health Concepts

Summer Session I (6 weeks)

- RT 113S Equipment Instrumentation
- ENG 113* Composition and Rhetoric

Summer Session II (6 weeks)

- RT 123S Cardiopulmonary Anatomy and Physiology II

Second Year

Semester III

- RT 213 Clinical Practice I
- RT 213A Pharmacology II
- RT 214 Technology and Care
- BIO 114A Microbiology
- ENG 223B Technical Report Writing

Semester IV

- RT 223 Clinical Practice II
- RT 223A Applied Cardiopulmonary Pathology
- RT 223B Management and Education
- BIO 124D Anatomy and Physiology
- CHM 113D Elementary Chemistry

Summer Session I

- RT 212S Seminar and Care Planning
- RT 213S Clinical Practicum I

Summer Session II

- RT 224S Clinical Practicum II

*Student placement in English and mathematics are based upon the results of tests and subjects completed before admission.

Surveying Curriculum

First Year

Semester I

- SUR 113** Introduction to Surveying
- SUR 113A** Surveying Measurements Practice
- ENG 113** Composition and Rhetoric
- MTH 113E** Applied Mathematics I or Higher Math
- CS 113C** Computer Literacy
- PSY 111** Freshman Orientation

Semester II

- SUR 123** Land Surveying
- SUR 123A** Land Surveying Practice
- ENG 223B** Technical Report Writing
- MTH 123E*** Applied Mathematics II
- HPE 111** Health Concepts
- Approved Elective

Second Year

Semester III

- SUR 213** Topographic Surveying and Mapping
- SUR 213A** Field Mapping Practice
- MTH 113T** Trigonometry or higher Math
- SPH 223A** Business and Professional Speaking
- DFT 213G** Computer-Aided Drafting

Semester IV

- SUR 223** Route Surveying
- SUR 223A** Route Surveying Practices
- SUR 223B** Legal Principles of Boundary Location
- DFT 223B** Map Drafting
- Approved Elective

**Student placement in mathematics classes is based upon the results of tests and subjects completed before admission.*

Suggested Electives: DFT 113A, REM 113X, REM 113B, history, government, MTH 113, MTH 113A, MTH 113B.



TJC surveying students learn their craft with the modern, up-to-date equipment.

Welding Technology Curriculum

First Year

Semester I

- WLD 113B** Introduction to Oxy-Acetylene Welding
- WLD 113C** Introduction to Arc Welding
- DFT 113A** Mechanical Drawing I
- MTH 113E*** Applied Mathematics I or Higher Math
- PSY 111** Freshman Orientation
- Approved Elective**

Semester II

- WLD 123B** Advanced Oxy-Acetylene Welding
- WLD 123C** Advanced Arc Welding
- DFT 123B** Mechanical Drafting II
- MTH 123E*** Applied Mathematics II or Higher Math
- Approved Elective**
- HPE 111** Health Concepts

Second Year

Semester III

- WLD 213A** Introduction to Pipe Welding
- WLD 213B** Introduction to M.I.G. and T.I.G. Welding
- ENG 113*** Composition and Rhetoric
- MMG 213B** Personnel Management
- Approved Elective**

Semester IV

- WLD 223A** Advanced Pipe Welding
- WLD 223B** Advanced M.I.T. and T.I.G. Welding
- ENG 223B*** Technical Report Writing
- SPH 223A** Business and Professional Speaking
- Approved Elective**

*Students placement in mathematics and English classes is based upon the results of tests and subjects completed before admission.


**Approved Electives: Government, ENG 123, History, Mathematics, BA 113B, BA 113D, DFT 213P, DFT 223P, DFT 223S, RMG 223E, Laboratory Science, AC 213W, PSY 213.



Apache Belles show off their new uniforms.



Hand building, glazing, firing procedure and introduction to the use of the potter's wheel are covered in introductory ceramics, a popular art course at Tyler Junior College.



Course Descriptions

Agriculture

A student majoring in agriculture should see a Tyler Junior College faculty advisor for help in completing a course plan.

AGR 113 General Animal Husbandry (3-3)

Livestock and livestock industry, reproduction, nutrition, management and marketing of beef cattle, horses, swine and sheep with labs including breeds, market classes and judging.

AGR 113B Dairying (2-3)

The Dairy industry, dairy products, basic principles and practices of modern dairy farm management, breeding, feeding and milk harvesting with lab stressing breeds, judging, sire selection and equipment.

AGR 113C Poultry Production (2-3)

Poultry, including types, breeds, poultry houses, construction, breeding, feeding, incubation, brooding, culling, diseases and parasites.

AGR 113E Introduction to Agricultural Economics (3-0)

Characteristics of economic systems and basic economic concepts including organization and management of agriculture businesses, finance, marketing and government farm programs.

AGR 113F Farm Management (3-0)

Organization and management of farms and agri-business, enterprise selection, obtaining and using credit, farm records, resource allocation and decision making.

AGR 113G Landscaping (3-0)

Landscape design, including classification, characteristics, and selection of trees, shrubs, grasses, perennials and annuals suitable for landscaping the home.

AGR 114A General Entomology (3-2)

Principal orders of insects, their anatomy and physiology, life cycle, and

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economic importance as well as insecticides and alternative control methods for agricultural pests.

AGR 123 Fundamentals of Crop Production (2-3)

Structure and function of crop plants, classification, distribution, cultural practices, fertilization, harvesting marketing and survey of major world crops while stressing importance of crop production in world affairs.

AGR 123B Horticulture (2-3)

Structure and growth of horticultural plants, selection, propagation, fertilization, care, harvesting of fruits, nuts, and vegetables together with the care and use of ornamentals in home landscape.

AGR 123D Wildlife Management (3-0)

Wildlife resources of the United States with special reference to Texas while emphasizing the interrelationship of plants and animals in our environment with plans and methods of rehabilitation and increase of the desirable species.

AGR 123G Floriculture for Home (3-0)

Exterior and interior design, including the selection, propagation, use, care of annuals, perennials, and house plants.

AGR 213 Methods of Animal Selection (3-3)

Origin, history and breed characteristics of livestock, breed organizations, performance testing and selection, live animal evaluation and the development of livestock judging techniques.

AGR 213A Pasture Management (3-0)

Management of forages, grasses and legumes adapted to East Texas including planting, fertilization; insect, disease and weed control, and management for mechanical harvesting.

AGR 223A Farm Shop (1-4)

Basic skills in arc and oxyacetylene welding, soldering, hot and cold metal work, sheetmetal work, cutting metal and brazing along with concrete construction, farm plumbing and fitting of farm tools.

Air Conditioning and Refrigeration 7221

Students successfully completing this program receive the Associate in Applied Science Degree.

The curriculum is designed to prepare the student to assist in planning, installing, operating and maintaining air conditioning equipment. The required technical information is presented and related skills are developed which will enable the graduate to function efficiently when working with engineers, system designers, skilled craftsmen, salesmen and others in the field.

Students in this program are required to furnish their own hand tools for use in laboratory classes.

AC 113 Introduction to Air Conditioning and Refrigeration (2-4)

An introductory course designed to acquaint the student with practical heating and cooling problems, terminology and the study of psychrometric principles.

AC 113A Fundamentals of Refrigeration (2-4)

An introduction to terminology, laws of refrigeration, processes and procedures associated with refrigeration applications.

Prerequisite: Taken concurrently with AC 113 or consent of the instructor.

AC 113D Fundamentals of Electricity (2-2)

Air conditioning circuits, electron theory, AC theory, single phase and three phase power distribution, capacitance, electric motors and motor controls.

AC 113S Solar Systems Design and Installation (2-4)

Design, installation and maintenance of solar systems.

AC 123A Refrigeration Machines and Commercial Refrigeration (2-4)

Refrigeration machines, their component parts and accessories, installation, maintenance and servicing procedures.

Prerequisites: AC 113A, 113D, 123B, or consent of the instructor.

AC 123B Blueprint Reading (3-0)

A study of blueprints used in the construction industry and the use of blueprints to determine location and installation of heating and air conditioning equipment.

AC 123D Automatic Controls (2-2)

Automatic controls, control systems, component parts and related equipment.

Prerequisite: AC 113D or consent of the instructor.

AC 213A Heating (2-4)

The principles of heating with gas, electric, hot water or steam systems including an introduction to the installation and service of heating equipment.

Prerequisite: AC 113D, AC 123B, or consent of the instructor.

AC 213W Air Conditioning Welding Procedures (1-5)

Designed to provide entry level skills including basic shielded metal arc welding and welding of dissimilar metals.

AC 223A Air Conditioning Systems Design (2-4)

All elements of air conditioning applications and design into a complete and applicable system.

Prerequisite: AC 123A or consent of the instructor.

AC 223B Installation and Maintenance of Air Conditioning Systems (2-4)

A study of installation and maintenance procedures and problems of air conditioning systems with consideration of sight selection and placement of related equipment components.

Prerequisite: AC 113A, AC 123B, AC 223A or consent of the instructor.

AC 223C Automatic Controls II (2-2)

An advanced study of automatic controls, modular controls, activator controls, sequencer and step controls and advanced wiring diagrams and schematics.

Prerequisite: AC 123A, AC 123D or consent of the instructor.

Art

A student majoring in art should see a Tyler Junior College faculty advisor for help in completing a course. Students planning to transfer art credit on a bachelors degree are required to prepare and retain a portfolio of their work to facilitate their transfer.

ART 113D Design I (3-3)

The art elements and principles with emphasis upon two-dimensional designs using a wide range of media and techniques.

ART 113E Drawing I (3-3)

Still lifes, landscapes and architectural subjects, with emphasis upon drawing skills including: line, value, proportion and perspective through the use of a wide variety of drawing media and techniques.

ART 114B Art for Pre-and Elementary School (3-3)

The methods of teaching and using a wide variety of techniques and media in creative two-and three-dimensional projects. For students of preschool and elementary teaching.

ART 123D Design II (3-3)

Three dimensional design concepts.

ART 123E Drawing II (3-3)

The head and human figure using various media and techniques including basic skeletal and muscular structure of the human figure as related to drawing.

ART 213 History of Art (3-0)

Painting, sculpture, architecture and crafts, from prehistoric time to the end of the Middle Ages, through the use of critical and analytical slide illustrated lectures and text study.

ART 213C Ceramics I (3-3)

Basic ceramic process, materials, and techniques, plus hand building, glazing and firing procedure with an introduction to the use of the potter's wheel.

ART 213E Drawing III (3-3)

A life drawing course with emphasis on the structure and action of the human figure.

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ART 213L Weaving I (3-3)

Introductory weaving, exploratory studies in the use of textiles as a form of art, the use of simple hand looms and introduction to operation of the floor loom.

ART 213S Sculpture I (3-3)

Various sculptural approaches using a wide variety of materials, including both additive and subtractive techniques.

ART 213O Painting I (3-3)

An introduction to the problems of painting and composition, in oil and/or acrylic media including color and value mixing charts, simple objects, still lifes and landscapes done in an objective and representational manner.

ART 223 History of Art II (3-0)

Painting, sculpture, architecture, and crafts from early Renaissance time to the present, through critical and analytical slide illustrated lectures and text study.

ART 223C Ceramics II (3-3)

Problems in ceramics with personal and professional development in forming and decorating techniques as well as mastery of potter's wheel and glaze calculation.

ART 223L Weaving II (3-3)

A continuation of Art 213L.

ART 223O Painting II (3-3)

A continuation of Art 213O with emphasis on more creative and experimental areas of painting styles with a wide range of subjects and techniques including abstraction and non-objective art.

ART 223W Water Color Painting (3-3)

An introduction to the water color medium as a means of artistic expression in the interpretation of still lifes and landscapes done in a representational manner.

Astronomy

A student majoring in astronomy should see a Tyler Junior College faculty advisor for help in completing a course plan.

AST 113 Survey of Astronomy (3-0)

The main features of the known universe and the principles involved in their discovery. A non-mathematical survey.

AST 123 Survey of Astronomy (3-0)

A continuation of Astronomy 113.

Banking 5626

Students successfully completing this program receive the Associate in Applied Science Degree in bank management.

The banking curriculum is designed to provide a student the opportunity to complete various American Institute of Banking diplomas while pursuing the Associate Degree. The banking community assists the educational opportunity by recommending qualified teachers and selecting appropriate textbooks for all A.I.B. courses.

BM 111W Supervisory Communicattions for Banks (1-0)

The logical organization and writing of letters and reports utilizing a "thought pattern development" approach.

BM 112S Oral Communications for Bankers (2-0)

A focus on personal communications trouble spots using cross-evaluation and peer reaction.

BM 113 Principles of Banking (3-0)

The fundamentals of bank functions in a descriptive fashion.

BM 113B Savings and Time Deposit Banking (3-0)

The historical development of savings institutions and an awareness of the basic economic function of the saving process.

BM 113C Deposit Operations (3-0)

Bank operations relative to deposit-taking activities and management of deposited funds.

BM 113S Corporate Banking (3-0)

Loan policy, credit investigation, credit techniques and other analysis studies directed toward the executive level.

BM 123S Money and Banking (3-0)

Basic monetary theory, economic stabilization, types of spending, gold, limitations of bank control and government policy.

BM 213A Bank Management I (3-0)

New trends in the philosophy and practice of management directed at new and experienced bankers.

BM 213B Trust Business (3-0)

Services rendered by institutions engaged in the trust business and the distinction between business and legal aspects of trust functions.

BM 213D Trust Management (3-0)

Specific topics concerning the trust department.

BM 213E Inside Commercial Banking (3-0)

Topics and issues which bankers must be prepared to address and discuss in the quest for solutions and responses.

BM 223 Consumer Lending (3-0)

Establishing credit, obtaining and checking credit information, servicing the loan and collecting the amounts due.

BM 223A Analyzing Financial Statements (3-0)

A review of basic accounting and a study of financial statements and financial statement analysis.

BM 223B Bank Management II (3-0)

Planning, retail analysis of bank performance, interest margin management, cost and pricing of bank services and strategies to expand bank services.

Prerequisite: Bank Management I.

BM 223E Law and Banking (3-0)

American law, presenting the rules of law which underlie banking.

BM 223G Marketing for Bankers (3-0)

The basics of public relations, both internal and external.

BM 223H Management of Commercial Bank Funds (3-0)

Principles from which a student can derive an adequate philosophy of funds management and the differences between practices in large banks and smaller banks.

Bible

Bible courses for college credit at Tyler Junior College are taught in the Baptist Bible chair, Wesley Foundation Methodist Bible chair, the Church of Christ Bible chair, and the nondenominational Bible chair (Community Bible Chair).

The granting of college credit for such courses is on the following basis:

1. All such courses must be based upon comprehensive syllabi approved by Tyler Junior College.
2. Such courses may not be taught from a sectarian view point but must be historical or literary in nature.
3. The teacher of such courses must meet the same standards of academic preparation as required of teachers in other academic disciplines of the College.
4. A maximum of 12 semester hours will be accepted toward a degree.

A student majoring in Bible should see a Tyler Junior College faculty advisor for help in completing a course plan.

BIB 111 Selected Studies in the Old Testament (1-0)

A study involving either an Old Testament book or theme.

BIB 111A Selected Studies in the New Testament (1-0)

A study involving either a New Testament book or theme.

BIB 111B Selected Studies in Church History (1-0)

A general synopsis of church history, a particular era of church history or a history of the Bible.

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BIB 111C An Introduction to Christianity (3-0)

A study of theological terms, great Bible themes and a comparison of Christianity with other religions.

BIB 113 Survey of the Old Testament (3-0)

The history, literature and teachings of the Old Testament.

BIB 113G Bible Topics (3-0)

Different topics each semester. May repeat for credit as topics change.

BIB 123 Survey of the New Testament (3-0)

The history, literature and teachings of the New Testament.

BIB 213 Life and Teachings of Jesus (3-0)

The life and teachings of Jesus Christ from the perspective of writers of the Gospels.

BIB 223 Life and Letters of Paul (3-0)

The ministry and thoughts of Paul found in the Acts of the Apostles and in his letters.

BIB 223A World Religions (3-0)

An interpretation of the fundamental insights, concepts, and customs of the major religions of the world.



Chemistry labs have modern, up-to-date equipment.

Biology

A student majoring in biology should see a Tyler Junior College faculty advisor for help in completing a course plan.

BIO 114A Microbiology (3-3)

Characteristics and activities of microorganisms and their relation to health and disease.

BIO 114C Introductory Biology I (3-3)

Concepts of biology relating to the cell, classification, evolution, and ecology as well as plants and invertebrates. For the non-science major.

BIO 114D Anatomy and Physiology (3-3)

Anatomy and physiology of the human body oriented toward the allied health sciences.

BIO 114M Biology I (3-3)

Concepts of biology relating to the cell, energy transformations, evolution, ecology tissues and organ systems common to plants and invertebrate animals. For the science major.

BIO 124B General Botany (3-3)

Introduction to the plant kingdom with emphasis on the importance of plants to man including principles of heredity and evolution.

BIO 124C Introductory Biology II (3-3)

Emphasizes the development, structure, and function of organ systems in man.

Prerequisite: Biology 114C I.

BIO 124D Anatomy and Physiology (3-3)

A continuation of Biology 114D.

Prerequisite: Biology 114D.

BIO 124M Biology II (3-3)

Vertebrate systems emphasizing man as well as principles of heredity and evolution. For the science major.

Prerequisite: Biology I.

BIO 214 Environmental Biology (3-3)

Introduction to basic ecological principles, biotic interrelationships in aquatic and terrestrial communities, and environmental issues that have national and global effects. Field trips required.

BIO 223F Native Plants (2-3)

Study of plants native to East Texas with special concentration on the wild-flowers while lab and field work emphasizes plant family characteristics. Field collections required.

BIO 224 Comparative Vertebrate Anatomy (3-4)

Comparative study of morphology, physiology, and phylogeny of vertebrate organ systems. Recommended for biology, pre-medical, and pre-dental majors.

Prerequisite: Biology 114M and 124M or 124B.

Business Administration

BA 113 Oil and Gas Law (3-0)

Introduces the legal principles involved in businesses related to oil and gas and with the general principles of substantive law concerning oil and gas jurisprudence. (2201999125)

BA 113A Elementary Accounting (3-0)

Presents the double-entry system for the accounting cycles of both service and mercantile businesses with an emphasis on general and special journals, ledgers, and financial statements. (0602015425)

BA 113B Introduction to Business (3-0)

Provides an over-all picture of business operations, develops a business vocabulary, and includes an analysis of the specialized fields within the business organization and of the role of business in modern society. (0604015125)

BA 113D Business Mathematics (3-0)

Introduces business calculations, exercises and problems including aliquot parts, fractions, percentages, interest and discounts, bonds and notes, depreciation, annuities, taxes, insurance, stocks and financial ratios.

BA 123A Elementary Accounting (3-0)

Emphasis is given to payroll, vouchers, accruals, deferrals, receivables, payables, inventory, plant assets, depreciation, and control systems.

Prerequisite: BA 113A. (0602015425)

BA 213C Computer Applications of Elementary Accounting (2-2)

Characteristics, components, and interrelationships of computers and business accounting as well as emphasizing five major accounting systems including the general ledger, depreciation, accounts receivable, accounts payable and payroll.

Prerequisites: BA 113A and BA 123A, or BA 214, or consent of program coordinator. (0602015425)

BA 213L Business Law (3-0)

Emphasizes the principles and elements of contracts, sales and warranties, legal aspects of commercial papers, principal-agent relationships, labor law and government-business relationships. (0601015125)

BA 214 Principles of Accounting (3-3)

Includes a study of the fundamentals of double-entry bookkeeping, the accounting cycle for service and merchandise businesses, adjusting, closing and reversing entries, receivables and payables, payroll, depreciation and other asset valuations. Practice set is required. (0602015125)

BA 224 Principles of Accounting (3-3)

Emphasis on managerial analysis and decision making concepts along with stock and bond investments, changes in financial position, price level changes, financial statement analysis, cost accounting, planning concepts and systems, and tax considerations. Practice set is required.

Prerequisite: BA 214. (0602015125)

Chemistry

A student majoring in chemistry should see a Tyler Junior College faculty advisor for help in completing a course plan.

CHM 113B Basic Chemistry (3-0)

Fundamental principles of chemistry and related mathematics for students with little or no chemistry or science background. Will not be counted in lieu of other chemistry courses listed.

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CHM 113D Elementary Chemistry (3-2)

Elementary inorganic, organic and biochemistry suited for persons interested in dental hygiene and respiratory therapy.

Note: Neither Chemistry 114I-124I, nor 113D is substituted for Chemistry 114-124 in meeting prerequisites in scientific curricula.

CHM 114 General Chemistry (3-4)

Serves as prerequisite requirement for engineering, medicine, dentistry, and other professional courses requiring advance work in chemistry with lab work including introduction to quantitative analysis.

CHM 114I Introductory Chemistry (3-3)

Non-technical survey of inorganic chemistry and introduction of organic chemistry. Suited for non-science majors.

CHM 124 General Chemistry (3-4)

Continuation of Chemistry 114. Equilibrium, acid-base concepts, oxidation-reduction systems, reaction rates, electrochemistry, and selected topics in nuclear chemistry with lab work including an introduction to volumetric and qualitative analysis.

Prerequisite: Chemistry 114.

CHM 124I Introductory Chemistry (3-3)

Continuation of Chemistry 114I. Survey of organic and biochemistry.

Prerequisite: Chemistry 114I or 114.

CHM 214 Organic Chemistry (3-4)

Chemistry of compounds of carbon emphasizing energy, mechanism of reaction, synthesis, structure of organic molecules, stereochemistry and molecular conformations with lab work including an introduction to gas chromatography.

Prerequisite: Chemistry 124.

CHM 224 Organic Chemistry (3-4)

Continuation of Chemistry 214 with lab work covering the use of infrared spectroscopy.

Prerequisite: Chemistry 214.

Computer Science 6021

The College offers one and two-year programs leading to Certificates of Proficiency and two two-year programs leading to an Associate in Applied Science Degree and an Associate of Arts Degree with a Concentration in Computer Science.

The one-year program leading to a Certificate of Proficiency prepares the student for employment in the fields of computer operations, data preparation, and data entry.

The two-year program leading to a Certificate of Proficiency prepares the student for employment in a business programming environment. To qualify for this certificate, the student must satisfactorily complete the computer science courses offered in the two-year degree program.

The two-year program leading to the Associate of Applied Science Degree prepares the student for employment as an entry-level programmer.

A student seeking a four-year degree should see a faculty advisor for academic advisement.

CS 111B Software Installation and System Extensions (1-0)

Provides experience using Disk Operating System extensions. No credit for both CS 123T and CS 111B.

CS 111C Integrated Software (1-0)

Microcomputers using a professional integrated software package. No credit for both CS 123T and CS 111C.

CS 111D Business Software (1-0)

Microcomputers using business software. No credit for both CS 111D and CS 123T.

CS 112 Data Entry (1-2)

The functional uses of a display unit and procedures for data entry.

Prerequisite: High School or college typing course or concurrent enrollment in BA 113T.

CS 112B Introduction To Computer Operations (2-1)

"Hands-on" course using a large system to establish working knowledge of computer operations.

CS 113A Introduction To Computers (3-0)

Provides a thorough introduction to the concepts and terminology involving computers BASIC language included.

CS 113C Computer Literacy (3-3)

Introductory "hands-on" course using microcomputers to study system commands and major software packages.

CS 113L Introduction To Computer Programming Logic (3-0)

Introduction to the concepts and terminology involving structured programming techniques.

CS 113P Computer Programming: PASCAL (3-3)

A study of algorithmic computer solutions and the Pascal programming language.

CS 122 Data Entry II (1-2)

Designed to build marketable skills of speed, accuracy and data validation.

Prerequisite: Data Entry I (CS 112) with speed and accuracy of 3,000 strokes per hour.

CS 123B Computer Operating Systems (3-3)

Establishes marketable skills in advanced computer operation concepts and procedures.

Prerequisite: CS 112B.

CS 123C Management Computer Use (3-0)

Acquaints students with management theories and practices as related to a computerized environment.

CS 123E Computer Programming: Assembly Language (3-3)

A detailed study of IBM Mainframe Assembly Language Programming and debugging techniques.

Prerequisite: CS 113L or MTH 113 (or equivalent) or acceptable ACT or SAT Math score or concurrent enrollment or consent of the instructor.

CS 123L Advanced Computer Programming Logic (3-0)

An advanced study of structured programming logic.

Prerequisite: CS 113L or consent of the instructor.

CS 123T Microcomputers (3-0)

A study of disk operating system extensions and professional packages used in small businesses and personal applications.

CS 213A Computer Programming: COBOL (3-3)

A high-level language using recent structured techniques.

Prerequisite: MTH 113 (or equivalent) or acceptable ACT or SAT Math score, CS 113L or CS 113P or consent of instructor.

CS 213B Systems Analysis I (3-0)

Introduction to essential principles and techniques used in the analysis, design and implementation of systems.

Prerequisite: CS 113A or consent of instructor.

CS 213C Introduction to Computer Hardware (3-0)

Explores fundamental computer hardware and its relation to software and logic. For hobbyists and CS students.

CS 213F Computer Programming: BASIC Language (3-3)

Develops beginning programming skills as commonly implemented in business and scientific environments.

Prerequisite: MTH 113 (or equivalent) or acceptable ACT or SAT Math score or CS 113L or CS 113P.

CS 213R Computer Programming: RPG II (3-3)

A study of the use of RPG II language.

Prerequisite: MTH 113 (or equivalent) or acceptable ACT or SAT Math score, at least one previous language or consent of the instructor.

CS 213S Software Development for Microprocessors (2-4)

A study of software development at the microprocessor level, including development systems, operating systems, hardware and storage, instruction sets for microprocessors, assemblers and the design of software monitors for a microcomputer system.

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CS 213W IBM PC & Comparative Word Processing (3-0)

"Hands-on" comparative analysis and use of word processing packages.

CS 223A Advanced Computer Programming: COBOL (3-3)

File maintenance, structures and utilities using COBOL languages.

Prerequisite: CS 213A or consent of the instructor.

CS 223B Systems Analysis II (3-0)

A continuation of CS 213B covering specialized techniques involving system cost determination, design, file and data base organizations, and project management and control.

Prerequisite: CS 213B or consent of the instructor.

CS 223C Computer Programming: FORTRAN (3-3)

A study of high-level math-oriented language.

Prerequisite: MTH 113 (or equivalent) or acceptable ACT or SAT Math score or consent of instructor.

CS 223G Advanced Computer Programming: BASIC Language (3-3)

Advanced programming skills with major emphasis on interactive business applications.

Prerequisite: CS 213F or consent of the instructor.

CS 113Y, CS 123Y, CS 213Y, and CS 223Y Special Topics (3-0)

Topics will be at the discretion of Program and will reflect current practices and equipment in the computing field. May be repeated for credit when topic changes.

Criminal Justice 7021

Students successfully completing this program receive the Associate in Applied Science Degree.

This course provides a survey of police organization and jurisdiction of local, state, and federal enforcement agencies. Surveys of professional opportunities and personal qualifications are studied. The course is a basic orientation designed to provide the student with a complete evaluation of the European and American police systems. The student is introduced to a general history of police systems which serves as a frame of reference in analyzing trends in the modern police service.

CJ 113 Introduction to Criminal Justice (3-0)

Provides an overview of the United States and European criminal justice systems.

CJ 113B Police Organization and Administration (3-0)

Introduces the student to the structures and processes that affect modern law enforcement administration practices.

CJ 113C Probation and Parole (3-0)

Introduces the student to criminal corrections and its place in the criminal justice system.

CJ 123B Police Role in Crime and Delinquency (3-0)

A study of juvenile behavior to provide insight into the conditions that are believed to cause deviant acts by juveniles.

CJ 123C Patrol Administration (3-0)

Introduces the student to an overview of basic patrol procedures used in crime prevention and police field operations.

CJ 123D Criminology (3-0)

Presents theories, causes of crime and criminal typologies.

CJ 213A Criminal Investigation (3-0)

A study of theories and concepts of the modern investigator along with recognition and presentation of evidence.

CJ 213B Legal Aspects of Criminal Justice (3-0)

History and philosophy of modern criminal law, including structure, definition and application of statutes, elements of crimes and penalties.

CJ 213C Criminalistics (3-1)

Introduces the student to the forensic laboratory with emphasis placed on identification, collection and preservation of evidence.

CJ 223B Traffic Planning and Administration (3-0)

Introduces the student to the problems of traffic control using the Texas Motor Vehicle laws as a guide.

CJ 223C Criminal Procedures and Evidence (3-0)

Introduction to the rules governing the admissibility of evidence and types of evidence, criminal procedures in the courts, review of the Texas Code of Criminal Procedures, including laws of arrest, search and seizure and leading case law.

CJ 223D Police Community Relations (3-0)

The role of the individual officer in achieving and maintaining positive public response as well as intergroup relations and public information.

CJ 223E Police Defensive Tactics (3-0)

Practice in the techniques of arrest, prisoner searches and the use of batons and firearms. CJ major medically qualified; no felony convictions.

Dance

A student majoring in dance should see a Tyler Junior College faculty advisor for help in completing a course plan.

DNC 111C Introduction to Dance (3-0)

An introduction to the art of dance through participation and instruction in a variety of dance activities and techniques.

DNC 121C Introduction to Dance (0-3)

A continuation of DNC 111C.

DNC 113 Modern Dance (2-1)

Instruction and participation in modern dancing as part of the performing arts which includes exploring individual potential using self-awareness techniques in the areas of structure and alignment, breathing and relaxation and imaging and improvisation.

DNC 113A Modern Dance II (2-1)

A continuation of DNC 113. Introduces concepts of partnering along with solo group work.

Prerequisite: Dance 113.

DNC 123 Jazz (2-1)

Instruction and participation in jazz dancing as part of the performing arts as well as an exploration of jazz technique with focus on style, rhythm and dynamics.

DNC 123A Jazz II (2-1)

A continuation of DNC 123. Introduces concepts of solo and group work.

Prerequisite: Dance 123.



Several dance courses are offered each semester.

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DNC 211C Appreciation of Dance (0-3)

Basic fundamentals and interpretations of dance with the principles and applications applied to the interpretation of modern and conventional dance.

DNC 221C Appreciation of Dance (0-3)

A continuation of DNC 211C.

DNC 213 Ballet (2-1)

Instruction and participation in ballet as part of the performing arts, plus exploration of ballet technique with emphasis on a long series of movements, beats, adagio, jumps, etc. while stressing clarity of movement as well as precision in execution.

DNC 213A Ballet II (2-1)

A continuation of DNC 213. Introduces variations from the classical and neo-classical repertoire.

Prerequisite: DNC 213.

DNC 213B Intermediate Ballet II (2-1)

A continuation of the development of ballet technique including more complicated exercises at the barre and centre floor while stressing precision of movement.

Prerequisite: DNC 213A.

DNC 213C Intermediate Ballet II (2-1)

Begins pointe for women and specialized beats and tours for men while developing individual proficiency and technical virtuosity.

Prerequisite: DNC 213B.

Dental Hygiene 8034

This program provides two-years of theoretical and professional training at the college level leading to the Associate in Applied Science Degree in dental hygiene and to the State and National Board examinations for licensure.

The student engages in occupational training to perform clinical services contributing to the maintenance of good oral health. Skills are developed to provide dentists with the aid which will allow them more time for the treatment of patients. The student will develop a sense of personal responsibility to the dental profession and society.

Twenty-eight places are allotted annually to the candidates whose scholastic and technical aptitudes show the most promise for success in the study of dental hygiene. Considerable weight will be placed on high school transcripts. Priority consideration is given those applicants whose college transcripts show completion of the required Dental Hygiene curriculum science courses with a C or better. Scores on the ACT or SAT are required.

Since enrollment in this program is necessarily limited, those applying for admission must make their application directly to the coordinator of this program.

A dental hygiene student cannot continue to the next semester if he/she does not maintain a minimum of a "C" in each required course and cannot graduate without an overall "C" average. A minimum grade of 75 will be required for a "C" in each dental hygiene course.

DH 112R Dental Hygiene Radiography (2-3)

Radiographic techniques, processing and mounting procedures.

DH 113 Oral Anatomy and Physiology (3-2)

Normal clinical appearance and functions of anatomical structures of the oral cavity, head and neck.

DH 113C Dental Hygiene Clinic I (2-6)

Theory and principles of instrumentation.

DH 122A Pathology (2-0)

Basic pathology relevant to dental hygiene practice.

DH 123 Oral Histology and Embryology (3-0)

Microanatomy of oral cavities, development and function.

DH 123C Dental Hygiene Clinic II (1-12)

Beginning clinical practice on patients.

DH 212 Pharmacology (2-0)

Concepts of pharmacology in relation to dentistry.

DH 212D Clinical Nutrition (2-0)

Nutrition in dentistry.

DH 212P Periodontology (2-0)

Normal periodontium, etiology of periodontal disease and preventive periodontal practices.

DH 213 Dental Materials (3-2)

Identification, properties, manipulation, application and maintenance of materials used in dentistry.

DH 213C Dental Hygiene Clinic III (1-15)

Student demonstration of instrumentation proficiency on clinically difficult patients.

DH 213H Community Dental Health I (3-1)

Promotion of dental health in the prevention of dental disease and public health methods.

DH 221G Graphics and Audio Visuals (1-1)

Graphics and use of audio-visual equipment.

DH 221S Seminar (1-0)

Preparation for the Dental Hygiene National Board Examination.

DH 223C Dental Hygiene Clinic IV (1-15)

New clinical skills with ethical and legal considerations in treating patients.

DH 224H Community Dental Health II (4-1)

Continuation of Community Dental Health I.

Drafting 8622

The curriculum in drafting is designed to qualify the student for professional work in the many areas of drafting. Upon completion of the required two-year plan, the student receives an Associate in Applied Science Degree.

DFT 113A Mechanical Drawing I (2-4)

Introductory drafting developing the skills to make orthographic and pictorial drawings while stressing line value, lettering and industrial applications.

DFT 113B Illustration Drawing (2-4)

Freehand sketching and instrument drawing are emphasized in the preparation of pictorial drawings, charts and graphics.

DFT 123A Architectural Drawing (2-4)

Home planning requiring a complete set of plans for a one-story home including details, specifications, and schedules.

DFT 123B Mechanical Drawing II (2-4)

An advanced mechanical drafting which requires a complete set of drawings of detailed parts through the completed assembly drawing.

DFT 123R Drafting for Real Estate Studies (2-2)

Interpretation of architectural plans and specifications including on-site measurements to determine square footage and cost projection of buildings with the mapping portion including site plans and lease maps with concentration on lettering, symbols and drafting scales.

DFT 213D Descriptive Geometry (2-4)

Principles and application of orthographic projection including space relation of points, lines, planes, intersections, development and mining and geology problems.

Prerequisite: DFT 113A or EGR 112 or consent of the program coordinator.

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DFT 213G Computer Aided Drafting I (2-4)

Introduction to general programming instructions for computer-aided drafting.

Prerequisite: Minimum of 12 semester hours of drafting or consent of program coordinator.

DFT 213P Pipe Drafting (2-4)

Piping terminology, fittings, flow diagrams, piping design notes and plans, processing equipment, isometric spool drawings and theory problems with a mathematical approach.

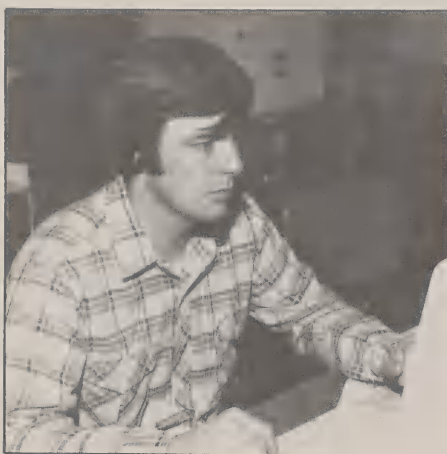
Prerequisite: DFT 113A or EGR 112 or consent of the program coordinator.

DFT 223B Map Drafting (2-4)

The preparation of lease, township, topographic, highway and ownership maps with calculations from survey notes. Inking and computer aided drafting included.

DFT 223C Plane Surveying (2-4)

Care and use of surveying and mapping equipment with lab problems including topography, traverse closures, profiles and borrow pit calculations.



There is a lot of up-to-date computer hardware on campus for use in the various curriculums.

DFT 223G Computer-Aided Drafting II (2-4)

Advanced computer-aided drafting in which the student's basic knowledge of computer language and operation will be utilized to complete computer-aided design problems using packages software.

Prerequisite: DFT 213G or consent of the program coordinator.

DFT 223E Electronics Drafting (2-4)

Basic requirements for electrical and electronic drafting covering applications in theory of electronics, schematics, printed circuit boards, wiring diagram integrated circuits and computer-aided drafting.

DFT 223P Advanced Pipe Drafting (2-4)

Isometric pipe spool drawings with emphasis on solution to equipment location, placement and theory for the advanced piping student.

Prerequisite: DFT 213P or consent of the program coordinator.

DFT 223S Structural Drafting (2-4)

Preparation of design and working drawings for buildings, bridges and various other structures with familiarization and emphasis on material technology.

Prerequisite: DFT 113A or EGR 112 or consent of the program coordinator.

Economics

Students majoring in economics should see a faculty advisor for help in completing a course plan.

ECO 213 Principles of Economics (3-0)

An examination of fundamental economic concepts and principles including macro-economic theory, national income, employment, monetary policy, fiscal policy and international trade. Sophomore standing suggested.

ECO 223 Economic Problems (3-0)

A study of contemporary economic issues and problems including micro-economic theory, value and price determination, revenues and costs, market structure and income distribution. Sophomore standing suggested.

Electronics 8824

Electronics is a fast-growing and exciting High-Tech industry, full of challenges as new technology emerges. As a knowledge-intensive sunrise industry, electronics promises to be of increasing importance to the United States and to the world's economy. Recent advances in the semiconductor industry, micro-computer applications, artificial intelligence, robotics, sophisticated communications equipment and alternate energy sources have led to an increased need for technicians to maintain these High-Technology systems. Electronics technicians design, prototype, install, maintain, troubleshoot and repair electronic equipment. The curriculum provides well-rounded instruction in micro-processor hardware and software interfacing, robotics and automated systems, telecommunications, and electrical power technology. Step into the future as an electronics technician.

After successfully completing the two-year program, the student receives the Associate of Applied Science Degree.

ELC 113 Digital Electronics (2-4)

An introduction to the components and circuits of digital electronics including digital logic circuit analysis and design, logic circuit simplification techniques, number systems and troubleshooting.

ELC 113E Basic Electronics Survey (3-0)

A survey of basic electronics for those students not majoring in electronics technology introducing variety of components and equipment most common to the industry.

ELC 113L Electronic Circuits and Devices (2-4)

An introduction to the components and circuits of analog electronics which includes proper use of laboratory equipment, passive and active circuits and the use of the computer to predict and evaluate circuit performance.

Prerequisite: ELC 113M or concurrent enrollment therein.

ELC 113M Electronic Circuit Analysis (3-0)

The operational characteristics of analog electronic circuits which include systems of measurement, mathematical analysis of electronic circuits and the use of the computer as a circuit analysis tool.

Prerequisite: MTH 113H or concurrent enrollment therein.

ELC 113P Electronics for Petroleum Technicians (2-4)

An introduction to electronics technology for the petroleum technology major which includes electrical safety, electronic circuits and devices, electrical measuring equipment and how electronics relates to the job of the petroleum technologist.

ELC 123 Microprocessors and Digital Systems (2-4)

Advanced digital concepts and micro-processor system architecture which includes data handling logic circuits, analog digital conversions, microprocessor structure and microcomputer systems.

Prerequisite: ELC 113.

ELC 123A Electromagnetics (2-4)

Primary and secondary power sources, AC and DC motors, and electromagnetics as related to transformers.

Prerequisite: ELC 113L.

ELC 123B Electrical Power Measurements (2-4)

Measuring devices and techniques used in monitoring and maintaining electrical power systems.

ELC 123C Electrical Power Systems (2-4)

The design, operation and technical details of modern power distribution systems, protection devices, system load analysis, rates and power economics.

ELC 123D Telecommunications for Electrical Power Technology (2-4)

Telecommunications techniques employed by the electrical power industry, including powerline carrier technology, load management and data communications.

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ELC 123E Microprocessor Applications for Electrical Power Technology (2-4)

Microprocessor interfacing applications for control of electrical power systems.

ELC 123L Solid-State Electronics (2-4)

Semiconductor devices and analog integrated circuits which include diodes, transistor, amplifiers, oscillators, industrial control devices and the proper use of laboratory equipment in troubleshooting solid-state circuits.

Prerequisite: ELC 113L, ELC 123M or concurrent enrollment.

ELC 123M Solid-State Circuit Analysis (3-0)

The operational characteristics of semiconductor devices in analog electronic circuits and the application of network theorems for problem solving in electronic circuits.

Prerequisite: ELC 113M.

ELC 213A Microcomputer Hardware Systems (2-4)

Microprocessor system architecture including design, prototyping and troubleshooting of microcomputer sys-

tems and the use of the oscilloscope and logic analyzer in troubleshooting and analysis. **Note:** Microcomputer Kit required.

Prerequisite: ELC 123, CS 213S.

ELC 213C Integrated Circuit Applications (2-4)

Analog integrated circuits and circuit design techniques which include computer-aided design, analysis and microelectronics.

Prerequisite: ELC 123L.

ELC 213T Electronic Communications (2-4)

The concepts and circuits of electronic communication systems including resonant circuits, oscillators, AF and RF amplifiers, modulation methods, reception techniques, electromagnetic wave propagation and antennas.

Prerequisite: ELC 123L.

ELC 223A Microprocessor Interfacing (2-4)

The techniques used to interface microprocessor systems to peripheral devices, controllers, data communications systems and advanced troubleshooting techniques. **Note:** Microprocessor Interfacing Kit required.

Prerequisite: ELC 213A.

ELC 223G Power Distribution (2-4)

Electrical power generation, transmission and distribution, equipment protective devices, voltage regulation and personal safety.

ELC 223R Robotics and Automated Systems (2-4)

The concepts of automation and robotics which include microprocessor controllers, numerical and programmable controllers, industrial applications, computer-integrated manufacturing and artificial intelligence.

Prerequisite: ELC 213A and ELC 213C.

ELC 223T Telecommunications (2-4)

Modern telecommunications systems including digital communications, microwave systems, laser communications, fiber optics, radio, television, telephone systems and cable television systems.

Prerequisite: ELC 213T.



Passing time between classes.

Engineering

The engineering program at Tyler Junior College is designed to meet the needs of the first two years of a four or five year engineering degree program.

Colleges and universities no longer allow advanced algebra and college trigonometry to apply toward a degree in engineering. In order for a student to follow a four year program for a degree in these fields, it is desirable that the student take Calculus I with analytic geometry (Mathematics 213A) the first semester of the freshman year.

It is recommended that all engineering majors, except those with an unusually strong background in high school mathematics, take advanced algebra (Mathematics 113A) and plane trigonometry (Mathematics 113B) during the summer prior to the first semester of the freshman year. This should be done to provide an adequate background for calculus with analytic geometry.

A grade of C or better must be earned in order to continue in sequential mathematics courses.

EGR 111 Introduction to Engineering (1-0)

Fields and opportunities within the scope of professional work.

EGR 112 Engineering Drawing (2-2-2)

Designed to cover the basic requirements for an engineering degree with emphasis on drafting skills.

EGR 121 Engineering Analysis (1-0)

Analyzing and solving engineering problems including computational methods and devices.

EGR 122 Descriptive Geometry (2-2-2)

A study of principles and applications of orthographic projection including space relations of points, lines, planes, intersections, development, mining and geology problems.

EGR 213 Engineering Mechanics I (Statics) (3-0)

Newton's laws as applied to introductory rigid body statics and analysis of structures, frames and beams.

Prerequisite: Credit or registration for Mathematics 213B.

EGR 223A Engineering Mechanics II (Dynamics) (3-0)

Newton's laws, work-energy, impulse momentum methods applied to kinematics and dynamics of particles, systems of particles and rigid bodies.

Prerequisite: Engineering 213 and Mathematics 213B.



Apache Belle "Ringmaster" costume.

English

A student majoring in English should see a Tyler Junior College faculty advisor for help in completing a course plan.

ENG 011R Reading Laboratory (1-2)

Designed to improve proficiency in reading comprehension, rate, word recognition and vocabulary development.

ENG 011W Writing Laboratory (1-2)

Designed to identify deficiencies and improve writing skills necessary for college-level academic work.

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ENG 013E Developmental English (3-0)

Written communication with emphasis on the fundamentals of basic grammar and usage, sentence structure, paragraph development and theme construction.

Required of students who do not present qualifying ACT/SAT-TSWE or local English placement test scores.

ENG 013R Developmental Reading (3-0)

Improving basic reading skills through individualized development of comprehension, vocabulary and speed.

ENG 013S College Study Skills (3-0)

Designed for the improvement of managing time, listening effectively, taking notes, concentrating, retaining information and taking examinations.

ENG 113D Advanced Reading (3-0)

Emphasizes the increased development of speed and comprehension skills in reading.

ENG 113 Composition and Rhetoric (3-0)

Directed study of rhetorical principles through reading types of composition while developing the student's ability to think for himself and to express his thoughts in correct, clear language.

Prerequisite: Credit in English 013E or qualifying ACT/SAT-TSWE or local English placement test scores.
(May be taken by instructional television)

ENG 123 Composition and Rhetoric (3-0)

Further training in thinking and the ordering of thoughts by the study of literature as well as a directed study in techniques of writing a research paper.

Prerequisite: English 113.

ENG 213 World Literature (3-0)

A study of the masterpieces of Western world literature from Homer through the Renaissance.

Prerequisite: English 123.

ENG 213A Survey of Short Fiction (3-0)

A course of short fiction selections with emphasis on analytical compositions, advanced composition and literature.

Prerequisite: English 123.

ENG 213B English Literature (3-0)

A survey of the major works, writers, and themes of English literature beginning with Anglo-Saxon poetry and continuing through the eighteenth century emphasizing extensive reading and class discussions.

Prerequisite: English 123.

ENG 213E English Literature II (3-0)

A survey of the major works, writers, and themes of English literature beginning with the Romantic period and continuing to the twentieth century emphasizing extensive reading and class discussions.

Prerequisite: English 123.

ENG 213S Selected Studies in Literature (3-0)

Intensive reading in single areas unified by theme or disciplinary content with topic made available each semester prior to registration.

Prerequisite: English 123.

ENG 223 World Literature (3-0)

A study of the masterpieces of Western world literature from the Neoclassic period to the twentieth century, advanced composition and formal research paper.

Prerequisite: English 123.

ENG 223B Technical Report Writing (3-0)

Technique of verbal efficiency in business letters, job applications and resumes and various types of engineering and scientific reports with methods of gathering and organizing of material to be presented in oral and/or written form. Required in technological and engineering plans.

Prerequisite: English 113.

ENG 223S Selected Studies in Literature (3-0)

Intensive reading in single areas unified by genre or major author with topic made available each semester prior to registration.

Prerequisite: English 123.

Farm and Ranch Management 5025

Many of the agriculture operations in the East Texas area are a combination of farming and ranching. This two-year program is designed for the student who is interested in farming and ranching or agricultural business as a career.

Both technical knowledge and management skills will be emphasized to prepare the graduate for a career in farm and ranch management, agriculture sales, agriculture marketing or agriculture management.

Students successfully completing this two-year program are awarded the Associate in Applied Science Degree.

RMG 113 Principles of Soil Management (3-6)

Methods and problems in pasture management, care of pastures, hay production, types of soil and relationship to grasses and legumes.

RMG 113A Principles of Animal Husbandry (3-6)

Types and breeds, market classes, grade of farm animals, phases of feeding, breeding and production.

RMG 113C Farm Buildings and Construction (2-4)

Construction of farm buildings, fences, corrals, feedlots and basic skills in farm carpentry which includes design, planning and construction.

RMG 116S Ranch Training On-The-Job (3-37)

Required work on a ranch or in an agribusiness firm during six weeks of the summer on a co-op basis between the College and employer.

RMG 123A Agriculture Economics and Finance (3-0)

National economic problems relating to farms and ranches, making loans and methods of determining loan needs.

RMG 123D Farm Power Machinery (2-4)

Operation and service of farm equipment and proper crop production using power equipment.

RMG 123F Principles of Feed Production (3-6)

Production, harvesting and storage of cereal and feed grains, fiber crops, forage crops and pasture grasses, both summer and winter.

FMG 123G Farm and Ranch Appraising (2-2)

Principles and methods of appraising farm and ranch property, appraising land, buildings, equipment and machinery.

RMG 213 Principles of Agriculture Sales (3-0)

Personal salesmanship, problems and duties, sale of feed, fertilizer, machinery and agriculture products.

RMG 213A Livestock Rations and Application (3-6)

Feed materials, relative values and adaptability for livestock, nutrient requirements, balancing, formulating rations and methods of feeding animals.

RMG 214 Farm Shop (3-6)

Practice in farm machinery repair, maintenance, welding, metal work and general farm shop.

RMG 223 Animal Health (3-6)

Farm animal health including parasites, diseases of livestock, handling diseased animals, basic anatomy and physiology.

RMG 223A Farm and Ranch Methods (3-0)

Principles of farm bookkeeping with each student developing farm and ranch accounts.

RMG 223B Principles of Beef Cattle Production (3-6)

Beef production as relating to farm and ranch marketing problems, beef cattle systems, handling, fitting, showing and breed associations.

RMG 223C Principles of Agricultural Marketing (3-3)

Basic knowledge of market grades, market trends, types of markets, cattle futures market and selling techniques for classes of livestock.

RMG 223D Principles of Livestock Reproduction (3-6)

Reproductive processes in farm animals, collection and storage of semen and causes of sterilization in males and females.

RMG 223E Farm Shop II (1-4)

Special topics welding course in which content may vary and may be repeated but will only apply once toward graduation.



Students in the farm and ranch management program get practical experience in treating livestock.

Fire Protection Technology 6821

This two-year program leads to the Associate in Applied Science Degree in fire protection technology, is in accordance with public law and sets forth approved or certified courses as approved by the commission on Fire Protection. This commission is composed of representatives of the Texas Education Agency and the Coordinating Board.

FPT 113 Fundamentals of Fire Protection (3-0)

Introduces the student to the history and philosophy of fire protection.

FPT 113A Industrial Fire Protection I (3-0)

Introduces the student to the concerns and safeguards of fire protection programs in industry.

FPT 113B Fire Safety Education (3-0)

Surveys the physical, chemical and electrical hazards in fire protection including related laws, codes and problems.

FPT 113C Advanced Fire Loss Statistical Systems (3-0)

A study of storing, retrieving and using data related to fire loss statistics.

FPT 113D Fire Insurance Fundamentals (3-0)

The relationship between fire defenses, fire losses and insurance rates.

FPT 113E Legal Aspects of Fire Protection (3-0)

A review of the legal rights, duties and responsibilities of a fire department in carrying out its duties.

FPT 113F Fire Services Communication (3-0)

The installation, operation and testing of fire alarm systems and types of communications by modern fire departments.

FPT 113G Urban Fire Problems Analysis (3-0)

The assessment and analysis methods used to study urban fire problems.

FPT 113H Fire Science Chemistry (3-0)

Provides the student with a basic understanding of organic and inorganic chemistry.

FPT 123 Fire Protection Systems (3-0)

A study of standards for fire hazard protection systems.

FPT 123A Fire Prevention (3-0)

The objectives, principles, techniques and procedures of fire prevention programs.

FPT 123B Industrial Fire Protection II (3-0)

Examines the problems and programs of industrial fire protection.

FPT 123H Fire Science Chemistry II (3-0)

A continuation of FPT 113H with emphasis on hazardous chemicals.

Prerequisite: FPT 113H.

FPT 213 Fire Administration I (3-0)

A study of fire department management and related problems.

FPT 213A Building Codes and Construction (3-0)

A study of building and construction with emphasis on fire resistant materials.

FPT 213B Fire and Arson Investigation (3-0)

A study of arson investigation techniques and related criminal procedures.

FPT 223 Hazardous Materials (3-0)

Examines the behavior of various materials that burn or react violently.

FPT 223A Fire Administration II (3-0)

Examines training, preparation of budgets, insurance rates and related topics.

FPT 223B Fire Fighting Tactics and Strategies (3-0)

Emphasis on preplanning studies and decision making in conflagration problems.

FPT 223C Hazardous Materials II (3-0)

Examines the techniques of storing, handling, and fire fighting techniques associated with hazardous materials.

Prerequisite: FPT 113H.

Fashion Merchandising and Retailing 5623

The fashion merchandising and retailing curriculum combines lecture and laboratory and the option for on-the-job training for a career in the areas of merchandising, fashion coordination, visual merchandising and promotion, marketing, retail management, buying or sales.

The fashion merchandising and retailing major may elect to enroll in a professional development seminar course each semester, designed for students who work a minimum of twenty hours each week in an approved job. Persons who are interested in fashion merchandising and retailing as a major, may take a non-work option. This option allows the student to take a course from the approved elective list.

Upon successful completion of this two year curriculum, the student will receive an Associate Degree in Applied Science.

FMR 113 Introduction to Retailing (3-0)

Intended as an overview of the fashion industry including a study of the people, procedures and concepts unique to the fashion business.

FMR 113A Professional Development Training I (1-3)

A seminar meeting one classroom hour per week to discuss the student's experiences in the required 30 hour a week approved job. Serves as laboratory work.

FMR 113B Fashion, Color, Line and Design (3-0)

The principles and elements of fashion design and a review of the historical fashion changes.

FMR 113C Fashion Textiles (3-0)

The properties and performance of textiles normally used in apparel. A study of the principles of marketing and distributing textile products.

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FMR 123 Fashion Marketing (3-0)

Analysis of the marketing task and the examination of the major policies that underlie the activities of marketing institutions.

FMR 123A Professional Development Training II (1-20)

A seminar meeting one classroom hour per week to discuss the student's experience in the required 20 hour a week approved job. Serves as laboratory work.

FMR 123B Fashion Apparel: Manufacturing and Design (3-1)

Includes study of apparel design and manufacture, industry terminology, American and foreign designers and quality at different price levels.

FMR 213 Visual Merchandising and Promotion (3-2)

The processes and actions that promote the sale of merchandise which include window display, interior store layout, fixture placement, catalog production, fashion show production and special events.

FMR 213A Professional Development Training III or Approved Elective (1-20)

A seminar meeting one classroom hour per week to discuss the student's experiences in the required 20 hour a week approved job. Serves as laboratory work.

FMR 223 Retail Buying (3-0)

A detailed study of the organizational structure of buying, the fundamentals of effective purchasing and the buyer's role in planning.

FMR 223A Professional Development Training IV (1-20)

A seminar meeting one classroom hour per week to discuss the student's experiences in the required 20 hour a week approved job. Serves as laboratory work.

FMR 223B Retail Mathematics (3-0)

Mathematical functions required of a buyer and retail terms used in the market. Course should be taken prior to or concurrent with FM 223.

Foreign Language

A student majoring in foreign language should see the foreign language coordinator for help in completing a course plan.

FR 113 Conversational French (3-0)

An introduction to French language and culture through conversational patterns, using audio-visual material, French newspapers and magazines, with emphasis on oral performance. For beginning students.

FR 123 Conversational French (3-0)

A continuation of FR 113.

Prerequisite: FR 113 or equivalent.

FR 114 Elementary French I (3-2)

An audio-lingual approach to French language and culture while mastering the fundamentals of grammar with an emphasis on oral performance.

FR 124 Elementary French II (3-2)

Continuation of FR 114 with an emphasis on composition and reading skills.

Prerequisite: FR 114 or equivalent units.

FR 211 Language Practicum (1-0)

A self-paced course to build vocabulary with both oral and written work. May be repeated with change of topic.

Prerequisite: FR 114, 113 or with consent of program coordinator.

FR 213 Intermediate French I (3-0)

An intensive review of French grammar through readings in history, language, and culture with the audio-visual portion of program including audio cassettes and film. Emphasis on pronunciation, comprehension, and oral language skills.

Prerequisite: FR 124 or equivalent units.

FR 223 Intermediate French II (3-0)

Continuation of FR 213 with emphasis on reading and composition.

Prerequisite: FR 213 or equivalent units.

GER 113 Conversational German (3-0)

The fundamentals of grammar and reading with an emphasis on oral performance for beginning students.

GER 123 Conversational German (3-0)

A continuation of GER 113.

Prerequisite: GER 113 or equivalent units.

GER 114 Elementary German I (3-2)

The audio-lingual approach with extensive use of audio and video cassettes to teach all facets of the language in a cultural setting. For beginning students.

GER 124 Elementary German II (3-2)

A continuation of GER 114.

Prerequisite: GER 114 or equivalent units.

GER 213 Intermediate German I (3-0)

An intensive review of grammatical structures through readings from modern German literature with emphasis on oral reports and compositions. Conducted mainly in German with use of German video materials.

Prerequisite: GER 124 or equivalent units.

GER 223 Intermediate German II (3-0)

A continuation of intermediate German I with lectures on German literature and history as well as an extensive study of German newspapers and magazines.

Prerequisite: GER 213 or equivalent units.

SPN 113 Conversational Spanish (3-0)

An introduction to the Spanish language and Hispanic culture through conversational patterns using audio-visual materials, Spanish language newspapers and films with an emphasis on oral performance. For beginning students.

SPN 123 Conversational Spanish (3-0)

A continuation of SPN 113.

Prerequisite: SPN 113 or equivalent units.

SPN 114 Elementary Spanish I (3-2)

The audio-lingual approach with extensive use of audio and video cassettes to teach all facets of the language in a cultural setting. For beginning students.

SPN 124 Elementary Spanish II (3-2)

A continuation of SPN 114.

Prerequisite: SPN 114 or equivalent units.

SPN 213 Intermediate Spanish (3-0)

Advanced Spanish grammar, vocabulary building and review of all verb forms for composition in an audio-video format. Conducted mainly in Spanish.

Prerequisite: SPN 124 or equivalent units.

SPN 223 Intermediate Spanish II (3-0)

A continuation of SPN 213. A novel of a major Hispanic author along with a more in-depth look at verbal patterns.

Prerequisite: SPN 213 or equivalent units.

SPN 211 Language Practicum (1-0)

A self-paced course to build vocabulary both aurally and orally with written reinforcement. May be repeated with change of topic.

Prerequisite: SPN 114, SPN 113 or consent of program coordinator.

Geography

A student majoring in geography should see a Tyler Junior College faculty advisor for help in completing a course plan.

GGR 223 World Geography (3-0)

The earth, its climatic regions, the relation of human activities to physical environments and major cultural divisions and selected regions and countries. (220603)



TJC cheerleaders release a shower of balloons at the Founders Day celebration.

Geology

A student majoring in geology should see a Tyler Junior College faculty advisor for help in completing a course plan. Other geology courses offered on demand: Mineralogy, Petrology, Geomorphology, and Invertebrate Paleontology.

GEO 114 General Geology (3-3)

Physical geology processes modifying the earth's surface, materials and features of the earth's crust with lab work in cartography, mineralogy, and petrology.

GEO 124 General Geology (3-3)

Historical geology, history of earth through geologic times revealed by rocks and fossils and the origin and development of plant and animal life with lab work in paleontology.

Government

A student majoring in government should see a Tyler Junior College faculty advisor for help in completing a course plan.

GOV 213 American Government (3-0)

A functional study of The American Constitutional Governmental System, of the origins, developments and present-day problems of the national government and of the rights, privileges and obligations of citizenship. Sophomore standing suggested.

GOV 223 American State Government (3-0)

Areas of study include the nature, organization and general principles of state and local governments within the United States and Texas constitutional frameworks, with particular attention to these forms in Texas. Satisfies the state requirements for teacher certification. Sophomore standing suggested.

GOV 213 and 223

A survey of national and state government offered through instructional television.



Learning to use all types of cameras is included in the graphic communications program.

Graphic Communications 6238

Students successfully completing this program receive the Associate in Applied Science Degree.

This is a two year, post secondary technical program designed to meet the needs of the student desiring to enter the field of visual communications, graphic arts and commercial photography.

GC 113 Basic Photography (2-4)

Basic requirements of black and white photography, camera use, film development and print making. No credit for both GC 113 and JRN 123P.

GC 113A Basic Graphics (2-4)

Basic principles of graphic design and layout, including artwork and images for graphic reproduction.

GC 123 Advanced Photography (2-4)

Advanced applications in exposure and process control of black and white negatives and prints.

Prerequisite: GC 113 or consent of the program coordinator.

GC 123B Reproduction Layout and Design (2-4)

Principles of planning, design and layout for preparation of images used in photo-conversion for graphic arts.

Prerequisite: GC 113A or consent of the program coordinator.

GC 213 Commercial Photography I (2-4)

Commercial photography with emphasis on fashion, architecture, industry and advertising using large format cameras.

Prerequisite: GC 123 or consent of the program coordinator.

GC 213A Photographic Reproduction (2-4)

Methods of converting camera-ready images to the printed page.

Prerequisite: GC 113A or consent of the program coordinator.

GC 213C Color Photography I (2-4)

Concentrated practice in exposing and processing of transparencies and color negatives with emphasis on color printing.

GC 223 Portrait Photography (2-4)

Lighting, posing and composition techniques used in studio, outdoor and environmental portraiture.

Prerequisite: GC 123 or consent of the program coordinator.

GC 223A Graphic Reproduction (2-4)

Color registration printing and general shop operations as applied to four color printing.

Prerequisite: GC 213A or consent of the program coordinator.

GC 223B Commercial Advertising Techniques (2-4)

Modern commercial advertising techniques employed with four color separation.

Prerequisite: GC 213A or consent of the program coordinator.

GC 223C Color Photography II (2-4)

Color sensitometric evaluation procedures used in color negative printing and direct and indirect printing via transparencies.

Prerequisite: GC 213C or consent of the program coordinator.

GC 223D Commercial Photography II (2-4)

Additional experience in the use of the large format camera and finalization and presentation of a portfolio.

Prerequisite: GC 213 and GC 223C or consent of the program coordinator.

Health and Physical Education

A student majoring in health and/or physical education should see a Tyler Junior College faculty advisor for help in completing a course plan.

The purpose of the health and physical education division is to provide a comprehensive curriculum and teaching strategies designed to enhance the total health-related fitness of students. Additionally, the curriculum provides a "core curriculum" for students who plan to become professionals in vocations related to physical education.

The curriculum is based upon the philosophical underpinnings which stress student development, problem-solving skills and independence. HPE 111 is required for all degrees.

HPE 111 Health Concepts of Physical Fitness (1-2)

Pragmatic concepts of health-related fitness including scientific information regarding the benefits of diet, exercise and personal well being with individual fitness assessments and development of a personal well being program.

Health and Physical Education activity courses are offered in these areas:

HPE 111A, 121A, 211A, 221A —

Organized Athletics

HPE 111X — Body mechanics and Physical Fitness.



Tennis is a popular sport at TJC.

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HPE 211B, 221B — Basketball and Softball

HPE 211C, 221C — Speedball and Volleyball.

HPE 211D, 221D — Archery and Badminton.

HPE 211E, 221E — Tennis.

HPE 211F, 221F — Adaptive Physical Education.

HPE 211G, 221G — Gymnastics.

HPE 211L, 221L — Weight Training.

HPE 211N, 221N — Soccer.

HPE 211Q, 221Q — Golf.

HPE 211R, 221R — Aerobic Dancing.

HPE 211W, 221W — Racquetball.

HPE 211X, 221X — Swimming.

HPE 211Y, 221Y — Bowling.

HPE 211Z, 221Z — Karate.

Health and Physical Education Theory Courses:

HPE 113 Methods (3-0)

Organization and administration of physical education in the public schools.

HPE 123 Methods (3-0)

Continuation of HPE 113 with special attention given to problems in the health and physical education fields. (083511)

HPE 113A Theory of Football and Track (3-0)

Methods of coaching football and track through lectures, demonstration, practice and reading of present-day literature on the sport.

HPE 123A Theory of Basketball and Baseball (3-0)

Coaching basketball and baseball through lectures, demonstrations, practice and reading of present-day literature of the sport.

HPE 113H Foundations of Physical Education (3-0)

A survey of the field of physical education, its historical development of philosophy as well as an analysis of contemporary concepts of program direction and content.

HPE 123H Concepts of Healthful Living (3-0)

A presentation of current scientific and technical information related to health with emphasis on developing functional attitude about consumer health, nutrition, mental health, tobacco, alcohol and drugs, family life, environmental health and disease.

HPE 213 Health and Hygiene (3-0)

Personal and community health with emphasis on causative factors in disease, their means or transmission and prevention.

HPE 213A First Aid (3-0)

Designed to enable students to recognize and avoid hazards within their environment, to render intelligent assistance in case of accident or illness, and to develop skills necessary for the immediate and temporary care of the victim with successful completion of the course possibly enabling the student to receive CPR Certification.

HPE 213B Personal Hygiene (3-0)

Principles and problems of healthful living.

HPE 223 Sports Understanding (3-0)

Selected major and minor sports, recreational and exercise activities, contemporary issues in competitive sports and physical fitness.

HPE 223A Athletic Training and Conditioning (3-0)

Practical and theoretical study of massage, taping, bandaging, care of sprains, bruises, strains and wounds.

HPE 223D Drug Use and Abuse (3-0)

The study of use and abuse of drugs in today's society with emphasis on physiological, sociological and psychological factors.

HPE 223E Community Health (3-0)

The principles of personal health, nutrition, mental health, stimulants and narcotics, exercise, sleep, rest, community health, sanitation, community services and public health agencies.

HPE 213F Sports Officiating (3-0)

Emphasis on officiating basketball, football and other sports.

History

Students majoring in history should see a faculty advisor for help in completing a course plan.

HST 113 English History to 1603 (3-0)

A survey in early English history from the time of Celts to the Elizabethan Age. Emphasis on the emerging institutions and society developing in England.

HST 113A Western Civilization in Medieval Times (3-0)

A standard western civilization survey of the cultural, political and institutional development of the nations of Europe from antiquity to the Renaissance.

HST 123 British History Since 1603

A survey course designed to introduce the student to the British institutions of government, economics, empire, church and society in the modern period.

HST 123A Western Civilization in Modern Times (3-0)

A continuation of HST 113A including standard western civilization-cultural development of the nations of Europe from the Renaissance to modern times.

HST 213 History of the United States (3-0)

A general survey of the history of the

United States from its discovery through the Civil War.

HST 223 History of the United States (3-0)

A general survey of the United States from Reconstruction to the present time.

HST 213 and 223

A survey of American History offered through instructional television.

HST 223A The Civil War and Reconstruction (3-0)

Surveys the causes, course and results of the war while emphasizing the Confederacy, military campaigns and Reconstruction.

HST 223T Texas History (3-0)

A survey of the history of Texas from the Spanish period to the present while emphasizing Anglo-American settlement, the revolution, the republic and later development.

Home Economics

A student majoring in home economics should see a Tyler Junior College faculty advisor for help in completing a course plan.

HE 113A Principles of Food Selection and Preparation (2-4)

Selection and preparation of foods, nutritive values and cost of foods.

HE 113B Fashion Fundamentals (2-4)

Color and design applied to selection and planning of apparel.

HE 113C Textiles (3-2)

A study of fibers, fabrics and finishes for application in choices of fabrics for clothing and home furnishings.

HE 113D Introduction to Food Preparation (2-2)

How to plan, prepare and serve nutritious meals with lab experiences in operating modern household food appliances.

HE 113H Home and Family Living (3-0)

Study and practical application of family problems in areas of family relations, child care, foods and housing.



On a visit to Texas, the Apache Belles were special guests of President Reagan.

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HE 113S Basic Sewing (2-2)

A study of basic construction techniques for home furnishings and apparel.

HE 123A Meal Management (2-4)

A course for majors in Home Economics, hotel or restaurant management about planning, managing and serving meals.

HE 123B Clothing Construction (2-4)

Selection, construction and alteration of apparel.

HE 123C Nutrition (2-2)

Principles of human nutrition applied to the family, community nutrition problems, chemistry, physiology and economics of nutrition.

HE 123D Intermediate Food Preparation (2-2)

Continuation of HE 113D with lab experiences, gourmet foods and foreign dishes.

HE 123F Gourmet Food Preparation (2-2)

Continuation of HE 123D with emphasis on gourmet food preparation.

HE 123P Consumer Problems (3-0)

Consumer goods and services related to the home, family purchasing, advertising, commodity information, merchandise standardization, branding, grading and marketing.

HE 123S Social Fundamentals (3-0)

Introductions, correspondence, table manners, dating problems, weddings and informal and formal entertaining.

HE 124 Interior Design I (3-2)

Home furnishings and solutions to problems of interior decoration.

HE 213 Prenatal and Infant Development (3-0)

Physical and psychological preparation of the family for parenthood, prenatal development, infant behavior, care and growth to age two and the infant as a developing individual.

HE 213S Current Developments in Sewing (2-2)

Trends and current developments in textile and clothing areas.

Journalism

A student majoring in journalism should see a faculty advisor for help in completing a course plan.

JRN 113 Mass Communications (3-2)

An introduction to mass communication and fundamentals of reporting for the mass media.

JRN 123 Introduction to Advertising (3-0)

An introductory survey of the basics of advertising for print and electronic media.

JRN 123E Radio and Television News Writing (3-2)

The preparation of news copy for radio and television, news style for electronic media, spot news, features reporting, interviewing and assembling a newscast.

JRN 123P Photojournalism (2-3)

A beginning course about reporting with the camera, basic black and white press photography instruction emphasizing 120 and 35mm cameras, picture composition, developing and printing. No credit for both JRN 123P and GC 113.

JRN 213 General Reporting (3-2)

The study and practice of newswriting and reporting.

Prerequisite: JRN 113.

JRN 223 Editing (3-2)

Theory and practice in newswriting, editing copy, headline writing and layout.

Prerequisite: JRN 113 or 213.

Legal Assistant 5828

Students successfully completing this program receive the Associate in Applied Science Degree and will be well prepared for a career as a legal assistant. The National Association of Legal Assistants, Inc., has defined the legal assistant:

"Under the supervision of a lawyer, the legal assistant shall apply knowledge of law and legal procedures in rendering direct assistance to lawyers, clients and courts; design, develop and modify procedures, techniques, services and processes; prepare and interpret legal documents; detail procedures for practicing in certain fields of law; research, select, assess, compile and use information from the law library and other references; and analyze and handle procedural problems that involve independent decisions."

LA 111E Legal Ethics (1-0)

The moral responsibilities and duties which a member of the legal profession owes to the public, to the court, to professional brethren and to clients.

LA 113A Introduction to the Legal System (3-0)

Comprehensive study of the legal system and the role of the legal assistant within the system.

LA 123 Legal Writing (3-0)

Understanding of purpose and preparation of legal memoranda, proper forms for legal citations, drafting of intra-office memoranda and other legal documents.

Prerequisite: ENG 113 or consent of program coordinator and division dean.

LA 123A Legal Interviewing and Human Relations (3-3)

Provides training in interviewing techniques, negotiation, counseling and human relations concepts.

Prerequisite: Credit for or enrollment in LA 113A or consent of program coordinator and division dean.

LA 123B Tax Law (3-0)

Introduction to processes and procedures under the Internal Revenue Code.

Prerequisite: Credit for or enrollment in LA 113A or consent of the program coordinator and division dean.

LA 123C Criminal Law (3-0)

Provides understanding of the provisions of the State Criminal Code and other statutory provisions relating to criminal acts and details the operation of the court system under various criminal offenses.

Prerequisite: Credit for or enrollment in LA 113A or consent of program coordinator and division dean.

LA 123D Family Law (3-0)

Comprehensive study of family law which includes the use of family court forms, preparation of pleadings and proposed decrees, drafting of property settlement agreements and the use of interviewing checklists.

Prerequisite: Credit for or enrollment in LA 113A or consent of program coordinator and division dean.

LA 123R Legal Research (3-3)

The major techniques and tools of legal research.

LA 213A Torts and Insurance (3-0)

Primary legal principles of tort and insurance law.

Prerequisite: Credit for or enrollment in LA 113A or consent of division dean.

LA 213B Wills, Estate Probate (3-0)

The legal concept of wills and trusts, the fundamental principles of law applicable to each, organization and jurisdiction of the probate court, and an analysis of estate administration and fiduciary accounting.

Prerequisite: Credit for or enrollment in LA 113A or consent of the program coordinator and division dean.

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LA 213C Constitutional Law (3-0)

Provides working knowledge of the Federal Constitution, the Federal System and the States, and the Supremacy of Federal Law.

Prerequisite: Credit for or enrollment in LA 113A or consent of the program coordinator and division dean.

LA 213W Workmen's Compensation (3-0)

Applied study of the methods and means created by statutes for giving protection and security to the workmen and their dependents against injury and death occurring in the course of employment.

Prerequisite: Credit for or enrollment in LA 113A or consent of the program coordinator and division dean.

LA 223 Litigation (3-0)

Principles of preparation for trial of civil and criminal cases as well as how to draft pleadings, motions and other documents required in civil or criminal action.

Prerequisite: Credit for or enrollment in LA 113A or consent of the program coordinator and division dean.

LA 223A Law Office Management and Procedures (3-0)

Principles and practices of law office management, legal accounting practices, civil and criminal procedures.

Prerequisite: Credit for or enrollment in LA 113A or consent of the program coordinator and division dean.

LA 223B Internship (1-20)

Actual work experience in an attorney's office.

Prerequisite: Sophomore year or approval by program coordinator and division dean and an approved law office.

LA 223C Corporation and Commercial Law (3-0)

Basic law of contracts, partnerships, corporations and the Uniform Commercial Code with emphasis on drafting documents appropriate to various business transactions.

LA 223R Advanced Legal Research (3-3)

Advanced legal research methodologies/projects.

Prerequisite: LA 113A and LA 123R.

Long Term Care Administration 8222

This program combines lecture, laboratory classes and on-the-job training in preparation to be licensed as a long term care facility administrator. Upon successful completion of this program, the student will be awarded an Associate Degree in Applied Science which may be applied to the required bachelor's degree.

LTC 113 Introduction to Long Term Care Administration (3-0)

Organization, training, human relations, administration, management, policies and procedures of a long term care facility.

LTC 113A Psychology of Patient Care (3-0)

Needs and problems of the elderly, their families and staff as the elderly adjust to their new environment.

LTC 113G Group Activities (3-0)

Social needs, groups, leadership development and programs for the long term care resident.

LTC 122 Long Term Care Standards (2-0)

A study of Minimum Standards used to license LTC facilities with differences noted between "Minimum Standards for Licensure" and "ICF Standards for Participation."

LTC 123 Technology of Patient Care (3-0)

Technical aspects related to patient care in a long term care facility.

LTC 123A Long Term Care Administration Law (3-0)

Business law as related to administration of a long term care facility.

LTC 213 Long Term Care Internship Seminar I (3-0)

Functions and discussion of management problems of long term care facilities.

LTC 213A Financial Management of Long Term Care Facility (3-0)

Use of financial management in decision making in the long term care facility.

LTC 213B Long Term Care Internship (0-20)

20 hours/week on-the-job training in a state licensed facility under a state licensed administrator.

LTC 223 Long Term Care Internship Seminar II (3-0)

Discussion of administrative problems of a long term care facility.

LTC 223A Long Term Care Internship II (0-20)

20 hours/week on-the-job training in a state licensed facility under a state licensed administrator.

LTC 224A Nutrition and Quantity Foods (3-1)

Nutrition and food service management in a long term care facility.



Tyler Junior College offers a number of natural science courses, including chemistry, biology, geology and astronomy.

Mathematics

The mathematics courses at Tyler Junior College have been carefully designed to meet the needs of students in specific areas of study, such as technology, liberal arts, business, elementary education, science, engineering and mathematics. A student may take mathematics courses at Tyler Junior College that are equivalent to the courses he/she would take during his/her first two years at a senior institution.

Tyler Junior College requires four semesters to complete the advanced mathematics program. This sequence does not include advanced algebra and plane trigonometry. Students who do not have credit in advanced algebra (MTH 113A) and plane trigonometry (MTH 113B) are advised to complete these courses during the summer preceding their freshman year.

To enroll in Calculus I with Analytic Geometry (MTH 213A) one of the following requirements must be met:

1. Credit in MTH 113A and MTH 113B;
or
2. Credit in MTH 113A and taking MTH 113B and MTH 213A concurrently.

Note: A grade of C or better must be made in each mathematics course in order to continue in any mathematics sequence.

A student majoring in mathematics should see a Tyler Junior College faculty advisor for help in completing a course plan.

MTH 113 Intermediate Algebra (3-0)

Sets, linear equations and inequalities, polynomials, factoring, quadratic equations and inequalities, relations, functions, exponents, and radicals.

Prerequisite: MTH 113L or acceptable placement test score.

98 Course Descriptions

MTH 113A Advanced Algebra (3-0)

Exponents, functions, inverse functions, exponential and logarithmic functions, theory of equations, systems of equations, matrices, inequalities, ratios, variations, progressions and binomial theorem.

Prerequisite: MTH 113 or acceptable placement test score.

MTH 113B Trigonometry (3-0)

Angular measure, functions of angles, radian measure, derivation of formulas, identities, solution of triangles, equations, inverse functions and complex numbers.

Prerequisite: MTH 113 or MTH 113A or credit in MTH 113 and concurrent enrollment in MTH 113A.

MTH 013D Developmental Mathematics (3-0)

A review of fundamental mathematical operations and a brief introduction to algebra.

MTH 113E Applied Mathematics I (3-0)

Whole numbers, fractions and mixed numbers, decimals, ratio and proportion, percent, denominate numbers, measurement, introduction to algebra, scientific notation and use of the calculator.

Prerequisite: MTH 013D or acceptable placement test score.

MTH 113H Mathematics For Electronics (3-0)

Introductory algebra, solution of equations, logarithms, vector analysis, trigonometry and mathematical problem solving in electronics.

Prerequisite: MTH 013D or acceptable placement test score.

MTH 123E Applied Mathematics II (3-0)

Whole numbers, non-fractional equations, additions, subtractions, multiplication and division of fractions, fractional equations, graphing, literal fractions and formula rearrangement.

Prerequisite: MTH 113E or acceptable placement test score.

MTH 113T Applied Trigonometry (3-0)

Rectangular coordinates systems, trigonometric functions, and graphs, fundamental trigonometric identities, solutions of right triangles, elementary trigonometric vectors and applications.

Prerequisite: MTH 123E or MTH 113L.

MTH 113L Introductory Algebra (3-0)

A review of fundamental operations in arithmetic and algebra not used to satisfy the requirements for a major in mathematics.

Prerequisite: MTH 013D or acceptable placement test score.

MTH 113K Finite Mathematics for Business (3-0)

Relations, functions, graphing, equations, inequalities, matrices, and linear algebra, permutations, combinations, probability and introduction to linear programming.

Prerequisite: MTH 113A or acceptable placement test score.

MTH 123K Mathematical Analysis for Business (3-0)

Mathematics of finance, exponents, and radicals quadratic, exponential and logarithmic functions, graphing, sequences, differential and integral calculus with applications.

Prerequisite: MTH 113K.

MTH 223S Introduction to Statistics (3-0)

Collection, tabulation and analysis of data; probability; normal and binomial distributions; linear regression and correlation; testing of hypotheses; utilization of computers in statistical applications.

Prerequisite: MTH 113 or acceptable placement test score.

MTH 113G Introduction to Modern Mathematics I (3-0)

Sets, topics from elementary number theory, rational numbers, decimals, real number system, systems of numeration, metric system and topics from consumer mathematics.

Prerequisite: MTH 113L or acceptable placement test score.

MTH 123G Introduction to Modern Mathematics II (3-0)

Real numbers, linear equations and inequalities, functions and graphs, systems of linear equations, quadratic equations, complex and finite number systems and plane geometry.

Prerequisite: MTH 113G.

MTH 113C Elementary Computer Programming (3-0)

Computers and programming logic using the BASIC language. For students with no previous computer experience.

MTH 123C Introduction to Computer Science (3-1)

Computer programming with flow charting and coding and utilizing BASIC and FORTRAN IV languages.

Prerequisite: MTH 113, MTH 113C or acceptable placement test score.

MTH 123D Computing for Engineers (3-1)

Algorithms, programs and computers in engineering applications with numerical analysis using the FORTRAN language.

Prerequisite: Credit or registration for MTH 213B.

MTH 213A Calculus I with Analytic Geometry (3-1)

The line, circle, algebraic curves, limits, continuity, the derivative, applications of the derivative, the differential, and the indefinite integral.

Prerequisite: MTH 113A and MTH 113B (see introductory paragraph).

MTH 213B Calculus II with Analytic Geometry (3-1)

Definite integral, logarithmic and exponential functions, trigonometric and inverse trigonometric functions, hyperbolic and inverse hyperbolic functions with topics from analytic geometry.

Prerequisite: MTH 213A.

MTH 223C Calculus III with Analytic Geometry (3-1)

Techniques on integration, polar coordinates, indeterminate forms, improper integral parametric equations, vectors in two and three dimensions, vector representation of lines and planes and vector valued functions.

Prerequisite: MTH 213B.

MTH 223D Calculus IV (3-1)

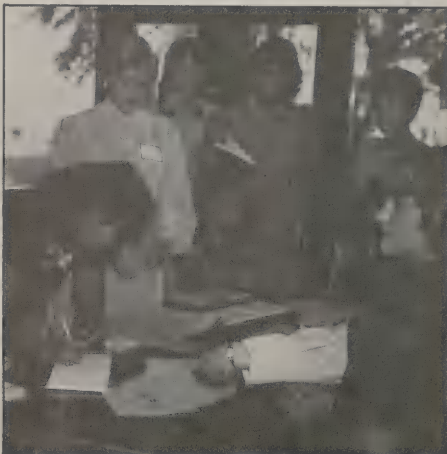
Taylor's formula, infinite series, differential calculus of functions of several variables, directional derivatives, gradients, line integrals, multiple integration, Green's Theorem and Lagrange multiplier.

Prerequisite: MTH 223C.

MTH 223 Differential Equations (3-0)

Equations of the first order and degree, linear differential equations, operational methods, higher order equations, Laplace transforms, introduction to series solutions and applications of differential equations.

Prerequisite: MTH 223C.



Student Senate election day.

Medical Laboratory Technician 8028

Tyler Junior College offers a two-year program designed to provide understanding, proficiency and skill as a medical laboratory technician. Upon completion of the program, the student will be granted an Associate in Applied Science Degree.

The first year of the curriculum is devoted to a combination of liberal arts and clinical laboratory studies on the junior college campus. In addition to these studies in the second year, courses are included to provide supervised clinical laboratory work experience in hospitals and clinics.

100 Course Descriptions

Two summer sessions of six weeks each are scheduled in the program. The first summer session will be devoted to liberal arts studies and supervised clinical laboratory experience. During the fourth semester and the second summer session, students will be engaged full time in medical laboratories to gain additional knowledge and skills first-hand. They will be under the general supervision of the faculty employed by Tyler Junior College. Group lectures to enrich the learning processes of the students will be provided.

When a student has completed the program he/she should be able to perform in all areas of the clinical laboratory. A minimum grade of 75 (C) will be required on all medical laboratory technology courses.

Since enrollment in this program is necessarily limited, those applying for admission must make their application directly to the coordinator of this program.

A medical laboratory technician student cannot graduate unless he/she maintains an overall C average.

MED 113 Basic for Allied Health Services (3-9)

Introduction to medical laboratory technology and study of hematology.

MED 123 Clinical Microbiology (3-9)

Methods and equipment used in clinical microbiology.

Prerequisite: BIO 114A or permission of program coordinator.

MED 123A Special Clinical Microbiology (3-6)

Methods in parasitology, mycology and bacteriology.

Prerequisite: BIO 114A or permission of program coordinator.

MED 123S Clinical Practice I (0-15)

Clinical experience in advanced hematology and urinalysis under the supervision of college faculty.

MED 213A Medical Laboratory Techniques I (3-3)

Clinical Immunology with laboratory applications.

MED 213C Clinical Chemistry (3-6)

Chemistry related to the clinical laboratory.

MED 216S Clinical Practice IV (0-40)

Clinical laboratory experience in areas of specialization under the supervision of College faculty.

MED 223A Medical Laboratory Technique II (3-6)

Blood banking and coagulation techniques with laboratory application.

MED 226 Clinical Practice II (MLT) (1-19)

Clinical laboratory experience in A.M. training under the supervision of College faculty.

MED 226A Clinical Practice III (1-19)

Clinical laboratory experience in P.M. training under the supervision of College faculty.

Medical Office Management

The Medical Office Management Program is designed to provide health care facilities with professionally trained individuals in management who will promote the smooth operation of an office or department within a health care agency.

These managers, during the course of overseeing the day-to-day operation, will practice effective human relations, maintain an efficient records management system, and utilize a variety of office equipment that will facilitate in the administrative functions of the medical department/medical office.

Students who successfully complete this nine-month program and make application to the registrar's office will receive a Certificate of Proficiency.

MOM 113 Medical Terminology I (3-0)

An introduction to the principles of medical terminology and the classes of word elements as building blocks for a medical vocabulary which includes medical terminology relating to specific systems of the body with emphasis on material found in medical records.

MOM 113A Medical Office Procedures (3-3)

A broad course covering such areas as bookkeeping systems, pegboards, collections, claims processing, direct claims resolutions, patient records, the legality of records, developing an office policy procedure handbook and other procedures applicable to the medical office.

MOM 121 Accident and Health Insurance (1-1)

Insurance terminology, types of plans, payment of benefits, Blue Cross, Blue Shield, private insurance companies, government sponsored plans, CHAMPUS, Medicare (Social Security), Medicaid, workers compensation, life insurance, processing insurance claims, reasons for claims rejection and guidelines for the secretary in answering patient's questions and avoiding insurance abuse.

MOM 123 Medical Terminology II (3-0)

A continuation of MOM 113.

Mid-Management 5621

The mid-management curriculum is designed to give students the management courses needed for the development of effective management skills. Its purpose is to provide a practical, comprehensive program covering the full spectrum of management activity.

This program is designed to meet the requirements of young people preparing

for careers in business management, as well as men and women who are already actively engaged in business and industry.

The mid-management major may elect to take a professional development seminar each semester, designed for students who work a minimum of 20 hours each week in an approved job. The student also meets a one hour per week classroom seminar.

Upon completion of the mid-management curriculum, the student will receive an Associate Degree in Applied Science.

MMG 113B Principles of Management (3-0)

The basic principles of management including planning, organizing, staffing, leading and controlling.

MMG 113C Human Relations in Management (3-0)

A study of individuals and group interaction emphasizing motivation, communication, leadership and job performance.

MMG 113S Small Business Management (3-0)

The aspects of management and operations unique to a small business and factors influencing business success and failure.

MMG 123 Principles of Marketing (3-0)

A general analysis of the economic and social aspects of the distribution of goods and services, including a study of the marketing structure.



The house is always packed for speakers such as author Alex Haley, astronaut Scott Carpenter and historian T.R. Fehrenbach, all part of the "Student Enrichment Series."

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MMG 213 Advertising and Promotion (3-0)

The fundamental concepts of advertising to provide the knowledge needed to adapt to the various advertising problems.

MMG 213B Personnel Management (3-0)

The study of personnel policies, administration, education and training, job, job classification and analysis, labor supply and employment.

MMG 223 Salesmanship (3-0)

The basic principles of personal salesmanship including a study of methods, problems and duties of a salesperson.

MMG 223B Introduction to Public Relations (3-0)

An introduction to techniques concerned with informing the public of organizational activities and policies and creating favorable public opinion.

MMG 223R Retail Merchandising (3-0)

The essential elements of organizing the retail store including buying, pricing, credit and collection, promotion and inventory and control.

MMG 113A Professional Development Seminar I (1-20)

Open to management majors. Requires on-the-job training and provides development of the student in adapting management principles to job situations.

MMG 123A Professional Development Seminar II (1-20)

Open to management majors. Requires on-the-job training and provides development of the student in adapting management principles to job situations.

MMG 213A Professional Development Seminar III (1-20)

Open to management majors. Requires on-the-job training and provides development of the student in adapting management principles to job situations.

MMG 223A Professional Development Seminar IV (1-20)

Open to management majors. Requires on-the-job training and provides development of the student in adapting management principles to job situations.

Mineral Land Management 5423

The objective of the land management program is to provide the student with the fundamental knowledge needed to enable him/her to seek employment as a leasing agent for oil, gas and mineral rights. The program centers around an intensive study of land records as recorded in county court houses and the laws regulating land sales and leasing transactions. Students will also be introduced to map interpretations, boundary location, oil and gas laws and the basic information necessary for property appraisal. Also included are other courses which will assist in leasing transactions.

Students successfully completing the courses in this nine-month curriculum and who make application in the registrar's office will receive a Certificate of Proficiency.

Mineral Lease Records Technology 5631

Mineral lease records personnel must see that legal contracts for land use are properly negotiated and that all scheduled payments are properly made. These two areas of responsibility require extensive sets of records and controls. Therefore, lease records personnel must be familiar with legal instruments, contracts, ledgers, indexes and various other records. Upon completion of this curriculum the student will be awarded an Associate Degree in Applied Science.

Music

A student majoring in music should see a faculty advisor for help in completing a course plan.

Courses are offered for three types of students:

1. Those who desire to pursue a professional career in music after completing a standard four-year curriculum.
2. Those who desire to take individual private lessons in applied music.
3. Those who desire a cultural background in music.

General Music Courses

MU 111K Class Piano (1-0)

Two and one-half hours instruction per week with instructions for beginners in piano using a 12 place electronic piano lab. Fundamentals of proper piano technique, note reading within the great staff, major scales, playing in the keys of C, F, G and simple chording with no previous piano experience. Summer class only.

MU 112K Class Piano (2-1)

Three hours instruction per week with instructions for beginners in piano using a 12 place electronic piano lab. Fundamentals of proper technique, note reading within the great staff, major scales, playing in the keys of C, F, G and simple chording with no previous piano experience.

MU 121K Class Piano (2-1)

Continuation of 111K with two and one-half hours instruction per week including ledger lines, dotted rhythm patterns, playing in the keys of D, A, Bb, and hand independence with solo literature including the simpler works of Bach and Mozart.

Prerequisite: Completion of MU 111K or approval of the instructor. Summer class only.

MU 122K Class Piano (2-1)

Continuation of MU 112K with three hours instruction per week including ledger lines, dotted rhythm pattern, playing in the keys of D, A, Bb, and hand independence with solo literature in-

cluding the simpler works of Bach and Mozart.

Prerequisite: Completion of MU 112K or approval of the instructor.

MU 113B Music Appreciation (3-0)

A foundation in enjoyment and understanding of music through the use of recorded music and song literature.

MU 113L, 123L Introduction to Music (3-1)

A general survey of the development of the art of music designed to provide a basic understanding of the principle periods and styles of music literature, origins, folk music, plainsong, vocal and instrumental forms, jazz and 20th century music. No prerequisites for MU 113L, open to non-music majors but required of music major.

MU 112G Classical Guitar (2-1)

A basic, exploratory course for the student with little or no background in guitar or music reading including a study and practice of the notes in the first position, correct techniques for the right and left hand with accompaniment styles in various meters using "pop" music chord symbols selected from the works of F. Carulli and compositions of similar difficulty.

MU 111G Classical Guitar (1-0)

Instruction for beginners in guitar using selected solo and duet pieces to teach music reading in the first position with emphasis on traditional classical guitar technique.

MU 121G Classical Guitar (1-0)

Continuation of MU 111G.

MU 121W, 221W Musical Theatre Workshop (0-5)

The study and performance of works from the music theatre repertoire with emphasis on all phases of techniques and procedures including participation in the musical production.

Theory

MU 113A Music Fundamentals (3-1)

An introduction to the elements of music including a study of the staff, clefs, key signatures, scales, time signatures, notation, meter and rhythm and application of theory to the keyboard. Also for those lacking a background in music theory for desiring an appropriate elective.

MU 113T, 123T Elementary Harmony (3-1)

A study of triads and their inversions, chord connections, keyboard harmony, cadences, simple nonharmonic tones, seventh chords and original part-writing exercises which must be taken concurrently with MU 111T and 121T respectively.

Prerequisite: Ability to read simple music notation. Required of music majors.

MU 111T, 121T Elementary Ear Training and Sight Singing (2-1)

Rhythmic, melodic and harmonic dictation in the major and minor modes, sight singing in the treble, bass and C clefs and must be taken concurrently with MU 113T and 123T respectively. Required of music majors.

MU 213T, 223T Advanced Harmony (3-1)

A further study of harmony and the introduction to counterpoint, the ninth, eleventh and thirteenth chords chromatically altered chords, modulation, the decorative material of harmony, modern harmony and must be taken concurrently with MU 211T and MU 221T respectively.

Prerequisite: MU 123T. Required of music majors.

MU 211T, 221T Advanced Ear Training and Sight Singing (2-1)

A continuation of dictation and sight singing studies, including the C clefs, modulation, chromatic intervals and must be taken concurrently with MU 213T and 223T respectively.

Prerequisite: MU 121T. Required of music majors.

Music Education

MU 113E Teaching Music at the Elementary Level (3-0)

A study of the techniques and materials of music instruction for K-6 grades and of the child's voice, reading concepts and examination of recently published materials.

Prerequisite: MU 113A or permission of the instructor.

Pedagogy

MU 121V Brass Class (1-2)

A study of the trumpet, trombone, French horn and tuba, with general brass pedagogy as well as developing the ability to play simple melodies and scales.

MU 211W Woodwinds Class (1-2)

A study of the flute, oboe, clarinet, bassoon, saxophone and piccolo.

Ensembles

MU 112B, 122B, 212B, 222B Band (1-4)

The official Apache Band is open to any student who has suitable training. Five hours per week is required for band.

MU 111D, 121D, 211D, 221D Concert Band (1-2)

An instrumental group which performs symphonic wind ensemble and band repertoire and is open to any student in the College by audition.

MU 112S, 122S, 212S, 222S Stage Band (1-2)

MU 113O, 123O, 213O, 223O Symphony Orchestra (1-3)

Open to advanced instrumental students who are given practical training in professional orchestral routine in the East Texas Orchestra. Admission by audition. Four hours a week required.

MU 112C, 122C, 212C, 222C Concert Choir (1-3)

A mixed chorus organized for the purpose of singing the more important works of vocal ensemble with members of this group engaging in a wide variety of public performance. Open to any student in the College and meets three hours per week.

MU 111E, 121E, 211E, 221E-01 Chamber Singers Small Ensemble (1-2)

A small group of select singers capable of performing both as an ensemble and as soloists performing traditional and contemporary madrigal and chamber vocal repertoire. Admission by audition.

MU 111H, 121H, 211H, 221H Harmony and Understanding (0-3)

A highly select vocal pop ensemble. Admission by audition.

MU 111E, 121E, 211E, 221E-02 Guitar Ensemble (1-2)

A select group of two to sixteen students which plays special arrangement for guitar "orchestra." Admission by audition.

Applied Music

Music majors should enroll in private lessons in two areas each semester, depending upon their intended degree. Those who aim toward professional performance should take private lessons for a major for the maximum number of semester hours each semester. Those who aim toward teaching should take private lessons for a concentration of two (2) semester hours each semester. All music majors should take, in addition to either a major or a concentration, a secondary private lesson for one (1) semester hour credit each semester. In every case, one of the two private lessons each semester must be piano.

A student majoring in music should see a faculty advisor for help in completing a course plan.

Students may also take private instrumental and vocal instruction as an elective. Two (2) semester hours credit would signify one hour of instruction per week. One (1) semester hour would signify thirty minutes of instruction per week.

The fees per semester on applied music courses are found in the tuition and fees section of this *Catalog*.

Vocal and instrumental instruction is available as follows:**Voice**

The study of the art of singing in the bel canto style including breath control, breath support, vowel formation and other techniques of vocal production through vocal exercises tailored to the individual needs of each student and the study of art song literature from the English, Italian, German and French repertoires.

Piano, Organ, Harpsichord

Enables the student for a major or concentration to develop technical capabilities to a high degree as well as become well acquainted with repertoire from the Baroque period to the present day. Develops fluency in reading at the keyboard and a knowledge of some technical and theoretical fundamentals at the instrument for minors.

Guitar

Focuses on the classical technique as well as different positions, proper fingering, major and minor scales and sight reading with typical compositions by F. Carulli, M. Carcassi, L. Milan, and H. Villa-Lobos.

Electric Bass

Covers basic music reading with emphasis on correct fingering, sight reading skill, scales and memorization of bass parts to "standard" tunes selected by the instructor. Elective only.

Jazz Piano

Techniques, skills, improvisation, voicing and performing different styles of repertoire. Elective only.

AMU 113V, 123V, 213V, 223V**Voice Major**

Applied music with private instruction.

AMU 112V, 122V, 212V, 222V Voice Concentration or Elective

Applied music with private instruction.

AMU 111V, 121V, 211V, 221V Voice Secondary or Elective

Applied music with private instruction.

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AMU 114K, 124K, 214K, 224K

Piano Major

Applied music with private instruction.

AMU 112K, 122K, 212K, 222K Piano

Concentration or Elective

Applied music with private instruction.

AMU 111K, 121K, 211K, 221K Piano

Secondary or Elective

Applied music with private instruction.

AMU 112J, 122KJ, 212K, 222K

Jazz Piano Elective

Applied music with private instruction.

AMU 111J, 121J, 211J, 221J Jazz

Piano Elective

Applied music with private instruction.

AMU 114O, 124O, 224O Organ Major

Applied music with private instruction.

AMU 112O, 122O, 212O, 222O Organ

Concentration or Elective

Applied music with private instruction.

AMU 111O, 121O, 211O, 221O Organ

Secondary or Elective

AMU 114H, 124H, 214H, 224H

Harpsichord Major

Applied music with private instruction.

AMU 112H, 122H, 212H, 222H

Harpsichord Concentration or Elective

Applied music with private instruction.

AMU 111H, 121H, 211H, 221H

Harpsichord Secondary or Elective

Applied music with private instruction.

AMU 114W, 124W, 214W, 224W Flute, Clarinet, Oboe, Saxophone, Bassoon — Major

Applied music with private instruction.

AMU 112W, 122W, 212W, 222W Flute, Clarinet, Oboe, Saxophone, Bassoon Concentration or Elective

Applied music with private instruction.

AMU 111W, 121W, 211W, 221W Flute, Clarinet, Oboe, Saxophone, Bassoon — Secondary or Elective

Applied music with private instruction.

AMU 114B, 124B, 214B 224B Trumpet, Baritone, Trombone, French Horn, Tuba — Major

Applied music with private instruction.

AMU 112B, 122B, 212B, 222B Trumpet, Baritone, Trombone, French Horn, Tuba — Concentration or Elective

Applied music with private instruction.

AMU 111B, 121B, 211B, 221B Trumpet, Baritone, Trombone, French Horn, Tuba — Secondary or Elective

Applied music with private instruction.

AMU 114S, 124S, 214S, 224S Violin, Cello, Double Bass, Harp, Guitar — Major

Applied music with private instruction.

AMU 112S, 122S, 212S, 222S Violin, Cello, Double Bass, Harp, Guitar, Electric Bass — Concentration or Elective

Applied music with private instruction.

AMU 111S, 121S, 211S, 221S Violin, Cello, Double Bass, Harp, Guitar, Electric Bass — Secondary or Elective

Applied music with private instruction.

AMU 114P, 124P, 214P, 224P Percussion — Major

Applied music with private instruction.

AMU 112P, 122P, 212P, 222P Percussion — Concentration or Elective

Applied music with private instruction.

AMU 111P, 121P, 211P, 221P Percussion — Secondary or Elective

Applied music with private instruction.



Classical techniques are emphasized in guitar courses taught at TJC.

Nursing, Associate Degree Nursing (ADN) 8021

The associate degree nursing program is a four semester and two summer sessions curriculum. The associate degree graduate, after adequate orientation, begins to practice nursing as a staff nurse in hospitals or other health care institutions. Through assessment of the individual, the graduate plans, implements and evaluates direct nursing care for individuals and/or groups with commonly recurring health problems. The graduate is able to monitor and direct peers and ancillary workers in the technical aspects of nursing care.

Having graduated from Tyler Junior College with an Associate in Applied Science Degree in Nursing, the graduate is qualified to apply for the National Council Licensure Examination for Registered Nurses.

Since applicants must meet the admission criteria of the program, application must be made directly to the program coordinator. Selection for enrollment is based on acceptance to the college, ACT or College Board (SAT) scores, reading level, math ability, prior educational achievement, personal references and health status.

All required courses of the associate degree curriculum must be completed with a C or better. Having not received a C or better in any nursing or prerequisite non-nursing course, the student may not progress until the deficiency has been removed.

NSG 113N Introductory Nursing Nutrition (3-0)

Principles of normal nutrition to meet the needs of the ill.

NSG 113P Nursing Pharmacology (3-0)

Concepts of basic nursing pharmacology.

NSG 112A Special Topics (2-0)

Clinical application of special topics of the nursing process, nursing math, perioperative care, eye, ear, oncology as well as grief and death incorporated into NSG 117A labs.

Prerequisite: Acceptance to the ADN Program. Concurrent enrollment in NSG 117A and BIO 114D*.

NSG 115 LVN Transition (3-4.5)

Expansion of knowledge base and nursing skills through the study of the nursing process, therapeutic communication, fluid and electrolytes and selected medical-surgical conditions in adult patients.

Prerequisites: Acceptance to the ADN Program with approval based on special criteria, BIO 114D, BIO 124D and eligibility for placement into second year nursing courses the following semester.

NSG 117A Nursing I (3-13)

Fundamentals of nursing care, stages of illness, patient needs in activities of daily living, asepsis, pharmacology and communication skills.

Prerequisites: Acceptance to the ADN Program. Concurrent enrollment in BIO 114D* and NSG 112A*.

NSG 129 Nursing II (5-13)

Nursing care of adults with medical-surgical disorders of GI, MS, GU, respiratory and endocrine systems.

Prerequisites: NSG 112A, 117A and BIO 114D. Concurrent enrollment in BIO 124D*.

NSG 225 Nursing III (5-17)

Expansion of student skills through maternity and gyn nursing.

Prerequisites: First year and second summer. Concurrent enrollment in BIO 114A*.

NSG 225A Nursing IV (5-17)

Care of children with medical-surgical problems.

Prerequisite: First year and second summer. Concurrent enrollment in BIO 114A*.

**Concurrent enrollments are required unless previously completed with a "C" or better.*

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NSG 235 Nursing V (5-17)

Care of clients with common behavior deviations.

Prerequisites: First year, second summer and BIO 114A. Concurrent enrollment 3 hour elective*.

NSG 235A Nursing VI (5-17)

Incorporates care of clients with neuro and cardiac problems with role transition.

Prerequisites: First year, second summer and BIO 114A. Concurrent enrollment 3 hour elective.

**Concurrent enrollments are required unless previously completed with a "C" or better.*



Senior citizens spend a week on campus each summer enjoying a variety of courses, including square dancing.

Nursing, Vocational (VNE) 7821

The vocational nursing program is designed to prepare qualified individuals to give direct nursing care to patients of all age groups and to promote development of the individual as a responsible member of society.

Successful completion of vocational nursing curriculum leads to a Certificate of Proficiency.

Graduates are prepared to provide care in all health care settings that require increasing levels of technical expertise. The preparation of the student is based on scientific principles and structured to provide a foundation of skills on which the vocational nurse may build. Educational experiences are focused on disease prevention and direct care of selected patients.

After successful completion of the one-year curriculum, graduates are eligible for the State Board of Vocational Nursing Examiners examination. Only students who have completed a program of training approved by the State Board and who have successfully passed the state licensing examination are authorized to practice as licensed vocational nurses.

Enrollment in TJC's vocational nursing program is limited. Those applying for admission must make application directly to the coordinator of the program.

The Admissions Committee selects the class on the basis of high school records, test results and the personal interview by the coordinator.

A vocational nursing student must maintain a "C" in every vocational nursing course in order to graduate.

Students who do not successfully complete one or more prerequisite courses in any semester may apply to repeat those courses the next time they are offered.

Any student who has withdrawn from the program after successfully completing one or two semesters may re-enter the program (after three semesters) by passing with a 76 percent or better the most current final examination for each nursing course completed prior to withdrawal.

After two years, students who have withdrawn have the option of taking the most current final examination for courses previously completed and scoring 76 percent or better on each final, or students may repeat all courses.

Readmission to the program is dependent upon available space.

VNE 113 Health Maintenance (3-0)

Principles of good nutrition and basic concepts of mental health.

VNE 114 Science for VNE (4-1)

Basic anatomical and physiological principles of human anatomy, pathogens and their implications in disease.

VNE 114A Medical-Surgical Nursing I (4-2)

Orientation to nursing, professional ethics, legal aspects, nursing process, drug classification and selected physiologic maladaptions.

VNE 116 Essentials of Nursing (4-12.5)

Basic knowledge and skills utilizing the nursing process as well as the calculation and administration of medications.

VNE 123 Nursing Care of Children (2.3-4.05)

Disorders, diseases and normal growth and development from birth to adolescent.

Prerequisite: All fall semester courses.

VNE 123A Maternity Nursing (2.3-4.05)

Biopsychosocial aspects of client during pre natal and post partum periods.

Prerequisite: All fall semester courses.

VNE 128 Medical-Surgical Nursing II (4-20.8)

Nursing process continued in selected physiologic maladaptations.

Prerequisite: All fall semester courses.

VNE 137 Long Term Care Nursing (3-17)

The aging process along with the legal, ethical, occupational and leadership aspects of long term care nursing.

Prerequisite: All fall and spring semester courses.

VNE 137A Community Health Nursing (3-17)

Nursing process in promotion of community health, mental illness and substance dependency problems.

Prerequisite: All fall and spring semester courses.



Students in the nursing program get on-the-job training along with class work.

110 Course Descriptions

Office Occupations 5824

The curriculum in office occupations offers two options designed to qualify students for employment in a variety of business office settings. Upon completion of either option, a student may receive an Associate in Applied Science Degree.

A student who completes all courses listed in the first two semesters of either option may receive a Certificate of Proficiency in Office Occupations.

OC 112M Business Machines (1-2)

Operational skills and business mathematical principles using electronic calculators.

OC 113F Introduction to Secretarial Procedures (3-0)

Concepts of operating an automated office through the use of trained personnel, proper procedures and automated equipment.

OC 113R Business English (3-0)

Grammar, punctuation, spelling and capitalization as applied in written business communications.

OC 113T Beginning Typewriting (3-3)

Mastery of the keyboard by the touch system, formatting business letters, manuscripts tables and other documents.

OC 114S Elementary Shorthand (4-2)

Introduction to Gregg Shorthand, Series 90 including reading, writing, theory principles, brief forms, dictation and transcription.

Prerequisite: OC 113T or concurrent enrollment or high school typing.

OC 122 Machine Transcription (1-2)

Entry-level job skills for the production of mailable transcripts from machine dictation.

Prerequisite: OC 113T or high school typing.

OC 123C Business Communications (3-0)

Application of letter-writing principles to inquiries and replies, credit and sales letters, adjustments, collections and business reports.

OC 123T Intermediate Typewriting (3-3)

Development of speed and accuracy along with the production of business documents.

Prerequisite: OC 113T or high school typing.

OC 123W Word Processing I (2-2)

Hands-on experience utilizing Multi-mate software to produce business documents.

Prerequisite: OC 113T or high school typing.

OC 124S Intermediate Shorthand (4-2)

Review of Gregg shorthand theory, development of dictation speed and transcription skills for producing mailable documents.

Prerequisite: OC 114S or high school shorthand: OC 113T or high school typing.

OC 213F Advanced Secretarial Procedures (3-0)

Skills needed to manage travel, organize meetings and conferences, manage records and keep accurate financial data.

OC 213T Advanced Typewriting (3-3)

Specialized projects which emphasize document organization, business forms and letters.

Prerequisite: OC 123T or permission of program coordinator.

OC 213W Word Processing II (2-2)

WordStar Professional software issued to produce form documents, boilerplate paragraphs, mailmerge letters and other business documents.

Prerequisite: OC 113T or high school typing.

OC 223F Executive Secretary (3-0)

Develops an understanding of labor/management relations while stressing the service responsibility of the office to collect, process, store and retrieve information.

Ophthalmic Technician and Dispensing 8037

The curriculum for ophthalmic technicians and dispensing represents a carefully planned balance of theory and practice in all aspects of the profession. The purpose of the program is to prepare the student to apply the science of optics to the making and fitting of lenses and devices to aid in providing comfortable and efficient vision; to prepare the student to measure, adapt and fit eyeglasses or contact lenses to the human face for the aid of correction of visual or ocular abnormalities; and to train the student in the use of measuring devices, instruments, machines and hand tools.

Students successfully completing this two-year program are awarded the Associate in Applied Science Degree.

OD 113 Materials and Laboratory (2-4)

Ophthalmic terminology, lens design and surface powers relating to refracting errors and lens power measuring instruments.

OD 113B Introduction to Ophthalmic Dispensing (3-0)

Opticianry, vocabulary, refractive errors, anatomy optics and lenses.

OD 123 Materials and Laboratory II (2-4)

Grinding lens surface and computing lens curves.

OD 123A Anatomy and Physiology of the Eye (3-0)

Eye structure and function with emphasis on cornea and visual stimuli.

OD 123B Principles of Optics I (3-0)

Light behavior and effect lenses have on light.

OD 213 Ophthalmic Materials and Laboratory III (3-3)

Advanced use of tools, machinery, hand edging, mounting lenses and quality control.

OD 213A Ophthalmic Dispensing I (3-3)

Lens aberration and effects, safety lens, prisms and bifocal fitting procedures.

OD 213B Principles of Optics II (3-3)

Application of lens equations, optics of spheres, cylinders, prisms, surface charts and tools.

OD 213D Office Procedures, Ethics and Insurance (3-0)

Retail office procedures, ethics, layout, laboratory, insurance programs and claim forms.

OD 223 Contact Lenses (3-3)

Contact lens materials, fitting techniques and responsibilities.

OD 223D Seminar (3-0)

Preparation for the State and National Certification Exam.

OD 224A Ophthalmic Dispensing II (3-6)

Dispensing procedures, technique for fitting frames and study of materials.

OD 114S (0-20), 124S (0-20), 213C (0-12) and 223C (0-12) Practicum

Practical experience in office and laboratories.



Ophthalmic technician and dispensing program allows ample lab time for practical experience in all aspects of the profession.

Ornamental Horticulture 5026

Ornamental horticulture describes a group of occupations which deal with the propagation and production of ornamental plants, the design and construction of landscapes and the sale and use of trees, shrubs, flowers, garden plants and turf.

This occupation improves and beautifies the environment and leads to the Associate in Applied Science Degree.

HRT 113A Landscape Plant

Materials (3-3)

Identification, classification, characteristics and landscape use of shrubs, vines, ground covers, flowers and landscape trees.

HRT 123A Herbaceous and Tropical Plants (2-4)

Identification, culture, use of ornamental herbaceous plants in homes, indoor and outdoor gardens, shopping malls and other commercial buildings and conservatories.

HRT 123B Floral Design I (2-4)

Basic principles of floral design using fresh flowers and other materials to create basic corsages, boutonniers, homecoming mums, and floral arrangements.

HRT 123C Landscape Maintenance (2-4)

Equipment and practices used in professional grounds maintenance programs, turfgrass establishment and maintenance of trees, shrubs and ground covers.

HRT 213 Greenhouse Horticulture (2-4)

Construction and operation of horticulture production structures, e.g., greenhouses, hot beds and cold frames.

HRT 213A Nursery Operation (3-3)

Layout, operations and facilities used in nursery production in Texas, wholesale and retail field production, rose, landscape, and garden center nurseries.

HRT 213C Floral Design II (2-4)

Principles of floral arrangement design utilizing silk, fresh, dried and cut flowers.

Prerequisite: HRT 123B or consent of program coordinator.

HRT 213E Greenhouse Crop Production (2-4)

Problems and problem solving techniques used in the greenhouse industry, actual production of bedding plants, foliage plants and floral crops.

HRT 214 Fundamentals of Design and Landscaping (3-6)

Basic principles, practices and concepts of landscape design, preparation of plans, specifications and cost estimates.

Prerequisite: HRT 113A or consent of program coordinator.

HRT 223D Landscape Development (2-4)

Planning of landscape operations, installation, care of plant materials, construction of landscape features, installation of drainage and irrigation systems.

HRT 223P Horticulture Pest Controls and Chemicals (3-3)

Commercial methods of plant problem diagnosis and treatment, insect identification, plant diseases, appropriate treatments, chemicals and fertilizers used in horticulture industry.

HRT 223 Ornamental Crop Production (2-4)

Advanced methods in nursery and greenhouse crop production, container grown plants, selected pot plant and field production.



All age persons are attracted to course offerings in the ornamental horticulture program.

Petroleum Technology 8431

Students successfully completing this program receive the Associate in Applied Science Degree.

The petroleum technology curriculum was established with the advice and cooperation of employees and workers in the oil fields to provide the preliminary training for workers in various aspects of petroleum development and production. The oil industry requires employees with training in locating, drilling and maintaining wells and in handling and refining petroleum products.

While scientific background and related information is included in the technology course, major emphasis is upon operation in the oil field, with opportunity for field trips and for employment.

Petroleum technology majors have available training for four broad areas: exploration, development, marketing and construction and maintenance.

PT 113 Petroleum Development (3-0)

The theory of oil field development including location, spacing, completion of wells, and oil field hydrology.

PT 113A Introduction to Petroleum Industry (3-0)

The procedures for locating, producing, transporting and refining oil field products.

PT 113B Petroleum Equipment Field Laboratory (2-4)

A presentation of oil field drilling and production equipment with field trips to view the equipment in operation.

PT 123 Production Methods (3-0)

The methods of producing and treating of oil field by-products including well stimulation and workover.

Prerequisite: PT 113 and PT 113A or consent of program coordinator.

PT 123A Rotary Drilling Fluids (2-4)

Laboratory class involving the student in testing and maintenance of drilling fluids.

Prerequisite: PT 113 and PT 113A or consent of program coordinator.

PT 123B Oilfield Records (3-0)

A study of forms, records and reports used in the petroleum industry.

PT 213A Petroleum Laboratory Methods (3-3)

A laboratory course covering the control of corrosion, scale, bacteria, emulsions, paraffin, cathodic protection and core analysis.

Prerequisite: PT 113 and PT 113A or consent of program coordinator.

PT 213B Well Logging Methods (3-0)

A study of the procedures of making and interpreting a well log.

PT 213D Petroleum Surveying and Drafting (2-4)

Includes a presentation of map drafting and the use of the transit, level and planetable surveying equipment.

PT 223 Natural Gas Production (3-0)

A study of the production, treating, transporting and refining of natural gas.

Prerequisite: PT 123 and PT 213A or consent of the program coordinator.

PT 223C Hydraulics for Petroleum Technologists (3-0)

The theory of hydraulics used in drilling, pipelines and artificial lift in relationship to the petroleum industry.

Prerequisite: PT 213A, PT 213B, PHY 113 and MTH 113T or consent of program coordinator.

PT 223A Completion Methods (3-0)

A study of jet and bullet perforating, acidizing, fracture treating, completion equipment, single and multiple packers and wire line tools.

Prerequisite: PT 123 and PT 213A or consent of instructor.

Philosophy

PHI 113 Introduction to Philosophy (3-0)

A general introduction to philosophy designed to give basic knowledge of philosophy and understanding of the issues from which that history evolved.

PHI 213 Introduction to Ethics (3-0)

A consideration of the basic principles of human life, with critical examination of traditional and current theories of the nature of goodness, happiness, duty and freedom, including readings from selected philosophies, past and present.



A giant birthday cake was served on Founders Day, as part of TJC's 60th anniversary celebration.

Physics

Physics is the fundamental physical science. The study of physics provides background for engineering, industrial research and development, medicine, teachers of science and biological sciences.

Students majoring in physics who do not receive advance placement in MTH 113A and 113B are encouraged to take these courses in the summer so

that they may enroll in MTH 213A in the first semester of the freshman year.

A student majoring in physics should see a Tyler Junior College faculty advisor for help in completing a course plan.

PHY 113 Physics Problems (3-0)

General physics with emphasis on problem solving.

PHY 113D Statics and Strength of Materials (3-0)

Fundamentals of statics, resultant and equilibrant of forces, moments, friction, strength of materials, material properties, joint analysis, beams, columns, combined stresses and torque.

PHY 113X Radiologic Physics I (3-0)

A review of Basic Mathematics and an introduction to Physics.

PHY 114B General Physics (3-3)

Fundamentals of classical mechanics, heat and sound for premedical, biological science, pharmacy, architecture students and others needing technical courses in physics.

PHY 123X Radiologic Physics II (3-0)

A continuation of Radiologic Physics I and fundamentals of radiation physics.

PHY 124A Mechanics (3-3)

A calculus based course for the students who intend to major in physics, chemistry, mathematics or engineering.

Prerequisite: Credit or registration for MTH 213A.

PHY 124B General Physics (3-3)

A continuation of PHY 114B including electricity and magnetism, light and modern physics.

Prerequisite: PHY 114B.

PHY 214A Advanced Physics (3-3)

Heat, wave-motion, optics and atomic phenomena.

Prerequisite: PHY 124A and credit or registration for MTH 213B.

PHY 224A Advanced Physics (3-3)

Includes electricity and magnetism. Required of all engineering majors.

Prerequisite: PHY 124A and credit or registration for MTH 213B.

Postal Management 9624

This program provides two years of courses in postal service leading to an Associate in Applied Science Degree.

The first two semesters are a detailed study of the theory and operations in postal service. These courses and other related courses may be taken by any student. During the last two semesters, two seminars and on-the-job training are required and only postal service employees may enroll for these two seminars.

Students are provided with a fundamental knowledge of various departments of the postal service and the guidelines of postal regulations and operational procedures.

PMT 113 Introduction to the Postal Service (3-0)

A history of the U.S. Postal Service and the structure of the service before the Postal Reorganization Act of 1970.

PMT 113A Mail Processing (3-0)

A detailed survey covering mail classification and rates, service standards, ODIS, distribution systems and objectives and responsibilities of mail processing.

PMT 123 Postal Rules and Regulations (3-0)

An investigation of the line activities of postal operations, regulations and the implementation of regulations.

PMT 123A Postal Customer Services (3-0)

Discusses customer relations, retailing postal products and how to manage professional window service operations.

PMT 213 Postal Accounting and Accounting Procedures (3-0)

A review of postal accounting with emphasis on long and short range budget techniques.

PMT 213S Training and Employee Development Seminar I (1-20)

The techniques in job instruction training, principles of learning and persuasive devices to accomplish given objectives in postal training.

PMT 223 Postal Management and Supervision (3-0)

The supervisor's role in planning, staffing, organization principles and their relation to the daily tasks of postal managers.

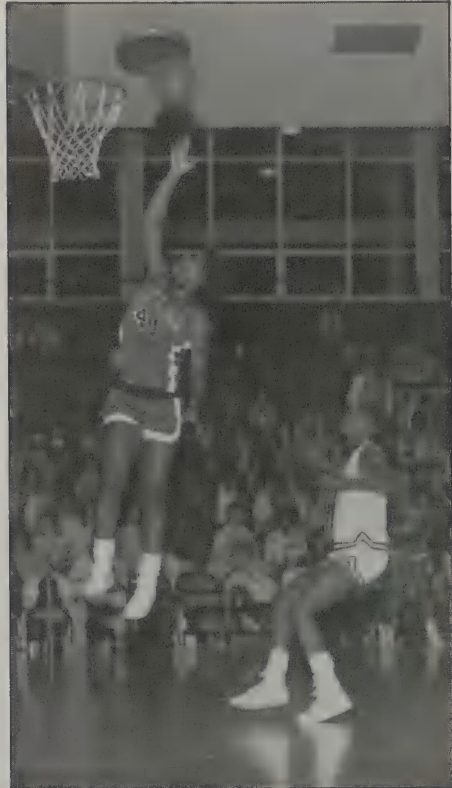
PMT 223A Employee and Labor Relations (3-0)

Collective bargaining procedures, union/labor laws, arbitration, grievance procedures and contract construction.

PMT 223S Postal Problems and Analysis Seminar II (1-20)

The art and science of problem solving with a focus on employee and labor relations.

Power Technology (See Electronics)



TJC has consistently done well in national junior college basketball tournaments.

Psychology

A student majoring in psychology should see a Tyler Junior College faculty advisor for help in completing a course plan.

PSY 111 Freshman Orientation

Designed to help students adjust to college life with emphasis on developing effective study skills, wise educational choices and appropriate social and personality development. Required of full time beginning students. Offered each semester and in special summer sessions.

PSY 013 Personal Development (3-0)

Basic principles of psychology designed to help develop interpersonal and specific behavioral self-management skills that will enable students to gain control over personal development directly relating to academic achievement.

PSY 213 Introductory Psychology (3-0)

Basic principles of psychology relating to individual differences, intelligence, development of personality, growth, motivation drives, emotions and learning.

PSY 223 Applied Psychology (3-0)

Basic psychological principles applied to adjustment and behavioral problems including a study of personality, attitudes, social relations and interactions as well as techniques for coping with stress and anxiety encountered in everyday situations of life and work.

PSY 223A Child Growth and Development (3-0)

The stages in the process and the physical, social, mental and emotional factors which influence growth and development of children up to adolescence.

Radiologic Technology 8033

Tyler Junior College offers a cooperative program with Medical Center Hospital and Mother Frances Hospital designed to provide understanding, proficiency and skill in diagnostic medical radiography.

Upon completion of the program the student will be granted an Associate in Applied Science Degree and will be eligible to apply for certification by the American Registry of Radiologic Technologists.

A balanced curriculum of general didactic and clinical courses offers the student an opportunity for cultural development as well as occupational competence. Clinical instruction is given at Medical Center Hospital, Mother Frances Hospital and assigned minor affiliates under the direction of radiologists, technical directors of the radiology departments and clinical instructors.

The minimum time for program completion is 24 months. A minimum grade of 75 will be required on all radiologic technology courses.

Since enrollment in this program is necessarily limited, those applying for admission must make their application directly to the coordinator of the program.

A radiologic technology student cannot graduate unless they maintain an overall C average and has a minimum of a C in each radiologic technology course.

XRT 111 Methods of Patient Care (1-0)

Includes nursing procedures and techniques used in general care of patients.

XRT 112S Introduction to Computer Literacy (3-0)

Fundamental principles, concepts, terminology of computer technology and computer applications in radiology.

XRT 113 Radiologic Technology I (3-4)

An introduction to radiologic technology with laboratory sessions in an on-campus, energized laboratory.

XRT 113B Human Structure and Function I (3-0)

Basic structure and function of the human body.

XRT 113C Clinical Education I (3-16)

Clinical participation in routine radiographic, darkroom, office procedures and use and care of equipment.

XRT 116S Clinical Education III (0-37)

Continuation of Clinical Education II with completion of competencies involving general radiography.

XRT 123A Radiologic Technology II (3-4)

A continuation of Radiologic Technology I including positioning, radiographic exposure and medical terminology.

XRT 123B Human Structure and Function II (3-0)

A continuation of Human Structure and Function I including transverse and topograph anatomy.

XRT 123C Clinical Education II (3-21)

A continuation of Clinical Education I. Clinical rotations in general radiography and assistance with contrast media studies.

XRT 211 Clinical Education IV (1-27)

A continuation of Clinic Education III with rotations in areas of specialization.

XRT 212S Seminar (3-0)

A review of subject areas and preparation of student for employment interviews.

XRT 213A Radiobiology and Protection (3-0)

A study of radiation protection and radiation biology.

XRT 213B Imaging (3-0)

Methods of producing various diagnostic images.

XRT 213C Radiologic Technology III (3-0)

A continuation of Rad Tech II including special procedures, pediatric radiography and advanced radiographic exposure.

XRT 216S Clinical Education VI (0-37)

A continuation of Clinical Education V and completion of all competencies.

XRT 221 Clinical Education V (1-27)

A continuation of Clinical Education IV.

XRT 221A Department Administration (1-0)

Organization, function, supervision and financial arrangements of radiology department.

XRT 222 Quality Assurance (2-0)

An introduction to evaluation methods for assuring consistency in radiography.

XRT 222A Pathology (2-0)

Concepts of disease as it relates to radiographic procedures.

XRT 223A Radiologic Technology IV (3-0)

A continuation of Radiologic Technology III including advanced positioning, a review of ethics and the legal aspects of the profession.



Hustle and bustle between classes in the beautiful Pirtle Technology Center.

Real Estate Management 5423

Students successfully completing this program receive the Associate in Applied Science Degree.

The curriculum is designed with formal classroom study combined with case studies and actual work experience to give the student a sound background for a career in the real estate industry as a real estate salesman, petroleum landman, land title insurance agency, property insurance agent or a wide variety of other land oriented careers.

The program provides an opportunity for students to complete the educational requirements for the Texas Real Estate Salesman or Broker's License and/or the Fire and Casualty Local Recording Agent's License.

REM 113 Principles of Real Estate (3-0)

Survey course in real estate fundamentals including Fair Housing, Equal Credit Opportunity Act, and Community Reinvestment Act. Meets Real Estate Commission requirements.

REM 113B Introduction to Land Records (3-0)

A study of the history of Texas land titles including ownership interest, methods of conveying and limiting factors to ownership.

REM 113D Real Estate Mathematics (3-0)

A review of basic arithmetic skills as applied to real estate problems. Meets Real Estate Commission requirements.

REM 113E Real Estate Marketing (3-0)

A study of the principles of marketing real estate including communication skills and the relationship of agent to buyer and seller. Meets Real Estate Commission requirements.

REM 123 Real Estate Law (3-0)

A study of Texas real estate laws. Meets Real Estate Commission requirements.

REM 123A Real Estate Finance (3-0)

An analysis of factors effecting mortgage money, sources of mortgage money, mortgage instruments and types of loans. Meets Real Estate Commission requirements.

REM 123B Real Estate Appraisal I (3-0)

An understanding of the principles used in estimating the value of real property. Meets Real Estate Commission requirements.

REM 123L Real Estate Law Contracts (3-0)

A study of joint lawyer-broker committee and the promulgated contracts. Meets Real Estate Commission requirements.

REM 213 Methods of Title Investigation (2-2)

A discussion of the recording system, abstract plants and actual practice in using recorded instruments.

Prerequisite: REM 113B or consent of program coordinator.

REM 213C-223C Real Estate Internship (1-20)

For students enrolled in Estate Management program. Provides work experience in real estate or related office.

REM 213B Fire and Casualty Insurance (3-0)

Covers fire and casualty insurance and general liability. Meets requirements toward recording agents license.

REM 213D Real Estate Appraisal II (3-0)

The application of principles of Appraisal I and Advanced Methods of Appraisal for commercial and farm properties.

Prerequisite: REM 123B or consent of program coordinator.

REM 213E Land Title Problems (2-2)

A determination of surface, mineral and royalty ownership and a correction of title defects by use of corrective instruments.

REM 213F Introduction to Boundary Location (3-0)

Covers early surveying of land grants, locating vacancies, locating boundary lines and corners.

REM 223A Real Estate Title Insurance, Abstracts, Escrow, and Closing Procedures (3-0)

A case study of escrow and closing procedures includes methods of title evidence.

REM 223B Real Estate Brokerage (3-0)

Covers management functions of a real estate firm and the laws of agency. Meets Real Estate Commission requirements.

REM 223D Fire and Casualty II (3-0)

A continuation of Real Estate 213B. Meets requirements for local recording agents license.

Prerequisite: REM 213B.

REM 223E Contracts and Negotiable Instruments (3-0)

Covers the mineral lease and negotiable instruments of the oil and gas industry.

Prerequisite: REM 213E or consent of program coordinator.

REM 223F Real Estate Investment and Taxation (3-0)

The concepts of investing in real estate and analyzing the tax advantages. Meets Real Estate Commission requirements.

REM 223G Railroad Commission Filings (3-0)

Development of the Railroad Commission's Oil and Gas Division with hands-on use of selected forms.

Prerequisite: REM 223E or consent of program coordinator.

REM 223L Land Records Management (3-0)

A study of the necessary technology needed to meet the obligations in the oil and gas leases, agreements and contracts.

Recreation Leadership Tennis Technology 9621

This program provides a two-year course to train students in teaching tennis, planning programs for tennis facilities, merchandising and operating pro shops and care and maintenance of tennis facilities. In addition, students are trained and prepared for certification testing upon completion of the course.

Students spend approximately 15 hours a week working in tennis-related programs. Programs include lab work, on-campus tennis clinics, pro shops, private clubs, municipal tennis programs and the functions of team coaching. Training aids used in the tennis program are books, training films, video tape recorders, audio tape recorders, ball machines, stringing equipment and field trips to various tennis and sport facilities.

Upon graduation from this program, the student receives an Associate in Applied Arts Degree with a major in tennis.

REC 112L Tennis Teaching Lab (0-15)

On court teaching skills with an emphasis placed on individual lessons.

REC 112S Summer Tennis Experience (2-0)

Designed to train students for their approved, tennis-related summer work which includes responsibility for a journal of activities and an evaluation of the work assignment.

REC 113 Individual Instruction (3-0)

A study of the uniqueness of the individual in tennis with detailed information on reasons and objectives explaining the participation of the individual in tennis and the understanding of procedure and application for private instruction as well as theory of the individual.

REC 113S Tennis Seminar I (3-0)

A study of the methods and materials to coach tennis including principles for becoming a professional tennis coach, proper coaching methods, fundamentals of tennis and the philosophy of tennis.

120 Course Descriptions

REC 114S Summer Tennis

Experience (1-39)

Designed to train students for their approved, tennis-related summer work which includes responsibility for a journal of activities and evaluation of the work assigned.

REC 122L Tennis Teaching Lab II (0-15)

Technical equipment as teaching aids including ball machines, video recorder, audio recorder and tennis stringing equipment with a continuation of on-court skills.

REC 123A Scientific Approach to Tennis Teaching (3-0)

An analysis of tennis from a scientific view point with information based on recent up-dated information by research studies of prominent tennis physicists and biomechanics.

REC 123G Group Dynamics of Tennis Instruction (3-0)

Designed to acquaint the tennis professional with the infinite variables in teaching, programming and handling groups.

REC 123S Tennis Seminar II (3-0)

A study of planning, organizing and conducting activities for tennis programs including promotion, special events, clinics, junior development, ladies day, ladders, tournaments, leagues and social events as well as the construction of the overall program.

REC 213C Tennis Camp and Club Management (3-0)

The process of managing by planning directing, coordinating and controlling of tennis facilities, employees and participants.

REC 213L Tennis Teaching Lab III (0-15)

Emphasis placed on the organization, planning and performance of group lessons with a continuation of court skills as well as off-court procedures of the tennis professional.

REC 213S Tennis Seminar III (3-0)

An emphasis placed on sport medicine, ranging from injury prevention exercises to diet and performance.



TJC is the only college in the nation that offers a degree in tennis teaching.

REC 221L Tennis Teaching Lab IV (0-15)

A survey of tennis management at various clubs with the student contributing to creative and innovative lessons and programming as well as a continuation of court skills and off-court procedures of the tennis professional.

REC 223E Contemporary Concepts in Tennis Instruction (3-0)

Further training of tennis instruction by a study of a selected reading list of tennis authors with a comparison and analysis of the similarities and differences of teaching and coaching styles and methodologies of the published works.

REC 223S Tennis Seminar IV (3-0)

A study of essential elements and basic principles involved in the organization, supervision and operation of a tennis pro-shop including the design, lay-out and construction of various tennis facilities.

Respiratory Therapy 8025

Respiratory Therapy offers two programs which prepare individuals for an allied health specialty in clinical care and management of respiratory disorders. The 12-month program leads to a Certificate of Proficiency and qualifies the graduate to apply for the Certified Respiratory Therapy Technician board examination. The 24-month program graduates a student with an Associate in Applied Science Degree and qualifies the individual to apply for the Registered Respiratory Therapist board examination.

The curriculum for the certificate program is included in the Registry Curriculum which is expanded with academic courses. These didactic courses include biology, chemistry, mathematics and English. Respiratory therapy courses consists of classroom, laboratory and supervised hospital experiences. The Certification and Registry programs have full accreditation from the Joint Review Committee on Respiratory Therapy Education (JRCRTE).

Since enrollment in this program is limited, those applying for admission must make application with the program coordinator.

Persons who are certified respiratory technicians (CRTT) have an alternate means of becoming Registry eligible. A CRTT with 62 credit hours which include courses in anatomy, physiology, chemistry, biology, microbiology, math and physics, may become eligible to sit the Registry examination. The curriculum may be taken to obtain an Associate in Applied Science Degree. See the program coordinator for details. Selected respiratory courses are periodically offered in the evening.

A respiratory therapy student cannot graduate unless he/she maintains an overall "C" average and has a minimum of a "C" in every respiratory therapy course.

RT 112 Cardiopulmonary Anatomy and Physiology I (2-1)

Aspects of the heart, lungs, kidneys and brain related to respiratory care practice.

Prerequisite: Program coordinator approval.

RT 113 Basic Skills (3-0)

Basic scientific concepts related to respiratory care.

Prerequisite: Program coordinator approval.

RT 113S Equipment Instrumentation (8-2)

Advanced level of respiratory care equipment characteristics and operation.

Prerequisite: Program coordinator approval.

RT 114 Clinical Orientation (3-12)

Theory, clinical application of basic respiratory care procedures and responsibilities.

Prerequisite: Program acceptance; concurrent with RT 114A.

RT 114A Technology I (3-4)

Theory and laboratory application of basic respiratory care procedures.

Prerequisite: Program acceptance; concurrent with RT 114.

RT 114S Clinical Experience I (8-24)

A continuation of RT 123.

Prerequisite: RT 123 with C or better.

RT 121 Pediatric Care (1-0)

Theory and application of respiratory care for pre-adult patients.

Prerequisite: Program coordinator approval.

RT 122 Pharmacology I (2-0)

Entry level aspects of respiratory care pharmacology.

Prerequisite: Program coordinator approval.

RT 123 Clinical Laboratory (0-16)

A continuation of RT 114.

Prerequisite: RT 114 with C or better.

RT 123A Pathology (3-0)

Theory and application of respiratory care related to diseases.

Prerequisite: Program coordinator approval.

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RT 123S Cardiopulmonary Anatomy and Physiology II (8-0)

Advanced-level aspects of the heart, lungs, kidney and brain related to respiratory care practice.

Prerequisite: RT 112 and program coordinator approval.

RT 124 Technology II (3-4)

A continuation of RT 114A.

Prerequisite: RT 114A with C or better.

RT 124S Clinical Experience II (8-24)

A continuation of RT 114S.

Prerequisite: RT 114S with C or better.

RT 125S Seminar and Care Planning (6-0)

Advanced-level respiratory care topics and care plans

Prerequisite: RT 223 with C or better.

RT 213 Clinical Practice I (0-16)

A continuation of RT 123 and RT 113S with emphasis on advanced-level application of respiratory care procedures.

Prerequisite: RT 123 and RT 113S, or RT 124S each with C or better, and program coordinator approval.

RT 213A Pharmacology II (3-0)

A continuation of RT 122 and advanced-level respiratory care topics.

Prerequisite: RT 122 with C or better.

RT 213S Clinical Practicum I (0-24)

A continuation of RT 223.

Prerequisite: RT 223 with C or better.

RT 214 Technology and Care (3-3)

A continuation of RT 113S.

Prerequisite: RT 113S with C or better.

RT 223 Clinical Practice II (0-12)

A continuation of RT 213.

Prerequisite: RT 213 with C or better.

RT 223A Applied Cardiopulmonary Pathology (3-0)

A continuation of RT 123A with advanced-level emphasis.

Prerequisite: RT 123A with C or better.

RT 223B Management and Education (3-0)

Theory and application of management and educational aspects of respiratory care practice.

Prerequisite: RT 213 and RT 214 with C or better or program coordinator approval.

RT 224S Clinical Practicum II (8-24)

A continuation of RT 213S.

Prerequisite: RT 213S with C or better.



Intramural sports play an important part in the total college experience.



Principles of straight and character makeup are an important part of theatre at TJC.

Sociology

A student majoring in sociology should see a Tyler Junior College faculty advisor for help in completing a course plan.

SOC 213 Introduction to Sociology (3-0)

Basic concepts and principles of social behavior, relationships of culture and social interactions to human behavior and analysis of existing group structures and social organizations. Basic concepts and principles of social behavior offered through instructional television.

SOC 213A Marriage and Family (3-0)

An overview of marriage and family life with an analysis of changing lifestyles and social relationships involved in dating and in interpersonal adjustments in marriage, divorce and remarriage.

SOC 223 Social Problems (3-0)

An application of sociological concepts and methods to the analysis of current social problems, including juvenile delinquency, alcoholism, suicide, family disorganization and crime.

Speech/Theatre

A student majoring in speech or theatre should see a Tyler Junior College faculty advisor for help in completing a course plan.

Speech Courses

SPH 111F Forensics (3-0)

For students interested in speech and theatre activities including various events of festivals and tournaments and are given the opportunity for participation in these contests.

SPH 113C Voice and Diction and Phonetics (3-0)

The basic principles of diction, including physiological description and practice in the use of the International Phonetic Alphabet with intensive practical experiences in voice development and special activities to meet individual vocal needs and professional objectives. Counts toward both a speech and theatre major.

SPH 123A Oral Interpretation (3-0)

Includes theory in understanding and interpreting the printed page plus practice in presentation of the various literary forms. Counts toward a speech and theatre major and offered every semester.

SPH 113 Public Speaking (3-0)

Principles and types of speeches and the importance of listening with practice in planning, organizing and delivering general speeches to improve informative, persuasive and entertainment skills. Offered every spring.

SPH 113A Introduction to Speech Communication (3-0)

Emphasis on the importance of both listening and speaking to help the student recognize elements necessary for communication in personal, small group and public speaking.

124 Course Descriptions

SPH 113B Speech for Perspective Teachers (3-0)

Covers the improvement in the perspective classroom and the teacher's command of the basics of good speech and understanding of the practical application of speech in teaching students. No credit for both SPH 113A and SPH 113B.

SPH 223A Business and Professional Speaking (3-0)

Types and techniques of speeches most common to business and professional people including theory and practice in business speech situations, personal conferences, job interviews, oral reports, sales talks and occasional speeches.

SPH 123D Introduction to Radio and TV (3-2)

A survey of the American System of Radio and Television Broadcasting, including a study of its personnel, equipment, terms, station and network organization and control with lab activities in writing, acting, directing, producing, announcing and operating equipment for various types of radio and television programs.



Theatre TJC presents four major productions each year.

SPH 223B Introduction to Speech Correction and Audiology (3-0)

An introduction to the study of the types of disorders in speech and hearing including the causes, diagnosis and therapy used for correction are discussed.

SPH 213T Interpersonal Communication (3-0)

Theory and practice in person-to-person interaction with focus on development, maintenance and termination of relationships and listening skills.

Theatre Courses

THE 123B Fundamentals of Acting (2-4)

Covers theory and practice of acting with students gaining practical experience in development of vocal and physical techniques for actors.

THE 123C Introduction to Technical Production (3-3)

A study and practice in the visual arts of the theatre and an introduction to stagecraft and lighting with additional work on technical crews provides practical experience.

THE 123M Makeup (3-0)

Covers the principles of straight and character makeup with intensive practical application and experience in stage productions.

THE 213A Introduction to the Theatre (3-0)

Covers the introductory study of theatre arts including an elementary study of play analysis, playwriting and dramatic criticism techniques of modern theatre practice in acting, directing, scene design and lighting.

THE 213B Acting II (2-4)

A continuation in the theory and practice of acting and practical experience in problems of creating characterization with emphasis on developing vocal and physical skills.

THE 113W-123W Theatre Workshop (3-0)

Emphasis on techniques and procedures in mounting productions in this theatre course covering all phases of theatre through actual participation culminating in a production.

Surveying

Students successfully completing this program receive the Associate in Applied Science Degree.

Surveying at Tyler Junior College was initiated at the request of land surveyors in the East Texas area. The courses offered are designed to teach the students the basic elements of surveying theory and to afford them enough supervised practice to enable them, in two years time, to become useful apprentices to this industry. Land surveying as such is emphasized and includes history, dendrology, evaluating property corners, measuring boundaries, describing land by metes and bounds, calculating land areas and using the Texas Coordinate System. Other phases of surveying taught are mapping and route surveying.

SUR 113 Introduction to Surveying (3-0)

An overview of the surveying industry and introduction to surveying



Phase V of the Pirtle Technology Center was recently completed.

equipment.

Prerequisite: Concurrent enrollment in SUR 113A.

SUR 113A Surveying Measurements Practice (2-5)

The methods of measurements, measurement equipment and recording of survey data in a field notebook.

Prerequisite: Concurrent enrollment in SUR 113.

SUR 123 Land Surveying (3-0)

Land history of Texas, public domain, public lands of the United States and calculating areas.

Prerequisite: Concurrent enrollment in SUR 123A.

SUR 123A Land Surveying Practice (2-5)

Theory and practical use of the transit and theodolite surveying equipment.

Prerequisite: Concurrent enrollment in SUR 123.

SUR 213 Topographic Surveying and Mapping (3-0)

Theory and field methods for determining a true meridian through field astronomy, state plane coordinates and mapping.

Prerequisite: Concurrent enrollment in SUR 213A.

SUR 213A Field Mapping Practice (2-5)

A study of planimetric and topographic maps, polaris observations, dendrology and photogrammetry.

Prerequisite: Concurrent enrollment in SUR 213.

SUR 223 Route Surveying (3-0)

Theory methods of surveying for routes for highways, pipelines, utility and waterway construction.

Prerequisite: Concurrent enrollment in SUR 223A.

SUR 223A Route Surveying (3-0)

In depth field practice of surveying procedures for route construction.

Prerequisite: Concurrent enrollment in SUR 223.

SUR 223B Legal Principles of Boundary Location (3-0)

A study of location, conveyance, ownership and transfer of real property under the laws of the state of Texas.

Welding 6245

Welding is a two-year post-secondary program designed to qualify the student for entry level code welding for industry.

Upon successful completion of the program the student will receive an Associate in Applied Science Degree.

WLD 113B Introduction to Oxy-Acetylene Welding (2-4)

Requirements of oxy-acetylene welding including the use of equipment, safety, accessories, the welding of butt-welds in all positions and flame cutting.

WLD 113C Introduction to Arc Welding (2-4)

Requirements of arc welding including the use of equipment, safety, accessories, striking an arc, running beads in all positions and welding butt joints in all positions.



Original class members observe Founders Day events from a stage built especially for the occasion.

WLD 123B Advanced Oxy-Acetylene Welding (2-4)

Employs advanced applications in flame cutting and oxy-acetylene welding and brazing, soft soldering, silver brazing and automatic flame cutting.

Prerequisite: WLD 113B or consent of instructor or dean.

WLD 123C Advanced Arc Welding (2-4)

Advanced applications in arc welding of plate in all positions including multi-pass electric arc welding, welding cast iron and hard facing.

Prerequisite: WLD 113C or consent of instructor or dean.

WLD 213A Introduction to Pipe Welding (2-4)

Requirements of pipe welding including the equipment usage, safety, pipe systems, pipe criteria, pipe layout, the welding of pipe in the horizontal and vertical position, metallurgy and weld defects.

Prerequisite: WLD 123C or consent of instructor or dean.

WLD 213B Introduction to M.I.G. and T.I.G. Welding (2-4)

Requirements of gas-shielded metal-arc welding and gas-tungsten arc welding including the use of equipment, safety, accessories, the welding of the butt, T, lap and outside corner joints in all positions.

Prerequisite: WLD 123C or consent of instructor or dean.

WLD 223A Advanced Pipe Welding (2-4)

Advanced applications in arc welding of pipe in all positions including the 6G position (45 degrees), heat treatment and the use of the beveling machine.

Prerequisite: WLD 213A or consent of instructor or dean.

WLD 223B Advanced M.I.G. and T.I.G. Welding (2-4)

Advanced applications in gas-shielded metal-arc welding and gas-tungsten arc welding in all positions including flux core, dual, shield, aluminum and stainless steel welding, welding symbols and plasma cutting.

Prerequisite: WLD 213B or consent of instructor or dean.



The cool serenity of a fountain combined with the gracefulness of a wild geese sculpture, makes Wize Plaza a place for relaxation and reflection between classes.



Jenkins Hall is used for academic classes and houses the offices of the administration, admissions and business.

Executive Officers

Raymond M. Hawkins

President

B.A., The University of Texas at Austin

M.A., Stephen F. Austin State
University

Ph.D., The University of Texas
at Austin

Raymond Van Cleef

Vice President, Educational and
Student Services

B.S., Rutgers University

M.Ed., Sul Ross State University

Ed.D., University of Wyoming

Ken Dance

Vice President, Financial and
Administrative Services

B.B.A., Baylor University

M.B.A., Stephen F. Austin State
University

CPA

C. C. Baker, Jr.

Vice President, Development and
College Relations

B.S., M.Ed., Texas Christian
University



Administrative and Professional Staff

Billy Jack Doggett

Dean, Division of Health, Physical
Education, Recreation and Athletics
B.S., M.Ed., Stephen F. Austin
State University
Ed.D., East Texas State University

Bobby D. Gaines

Dean, Division of Business and
Industrial Technology
B.B.A., The University of Texas
at El Paso
M.S., Ed.D., East Texas State
University

Mary Frances Waldrop

Dean, Division of Humanities and
Social Sciences
B.A., M.A., Austin College

Gerald Thomas Wilson

Dean, Division of Science
and Mathematics
B.S.Ed., Arkansas State University
M.S., Abilene Christian University
Ph.D., Kansas State University
Post-doctoral, University of
Tennessee Medical School

Albert Baade

Dean, Continuing Education
B.A., Baylor University
M.A., The University of Texas at Tyler

Jerry L. Leard

Dean, Instructional Administration
B.M., Stephen F. Austin State
University
M.Ed., The University of Texas
at Austin

Kenneth D. Lewis

Dean, Admissions
B.S., Texas A&M University
M.S., East Texas State University

Evelyn McManus

Dean, Learning Resources
B.A., Southwestern University
M.L.S., East Texas State University

Richard T. Minter

Dean, Program Development
B.S., M.Ed., Sam Houston State
University

A. Wayne Criswell

Director, Financial Services
B.B.A., The University of Texas
at Austin

Darrell Kenneth Hammack

Director, Computer Services
A.A.S., Northern Virginia Community
College

Viola Benavides

Assistant Dean, Division of Science
and Mathematics
B.A., San Francisco State University
M.A., California State University

Elmer E. Hyden

Assistant Dean, Business and
Industrial Technology Division
B.A., Baylor University
M.A., Southwest Texas State
University

Frankie Muffoletto

Director, Counseling
B.A., M.A., Northwestern State
University of Louisiana

Bill J. Parker

Director, Physical Plant

William R. Crowe

Director, Campus Safety
B.B.A., The University of Texas
at Austin

Robert C. Cullins, Jr.

Director, Institutional Studies
and Reports
B.A., M.Ed., Northwestern State
University of Louisiana

Linda S. Fleet

Director, College Relations and
Personnel Services
B.S., The University of Texas at Tyler

Rick L. Hotman

Director, Auxiliary Services

Patricia P. Logan

Director, Information Services
B.J., The University of Texas at Austin
M.A., East Texas State University

Elma N. Pineda

Registrar
B.A., M.S., Lamar University

Emma Lou Prater

Director, Student Activities
B.S., M.S., East Texas State
University

Joseph N. Roge, Jr.

Systems Analyst, Computer Services
B.S., The University of Texas at Tyler

Athena Russell

Director, Community Services
B.S., M.S., Stephen F. Austin State
University

John E. Smith

Director, Residential Life
B.S., M.A., Northeast Missouri State
University

George Wilson

Director, Instructional Media Services
B.S., The University of Texas at Tyler
M.Ed., East Texas State University

Merrill O. Cantrell

Programmer, Computer Services
A.A., Tyler Junior College

Frances Friedman

Director, Hudnall Planetarium

Paul W. Heimer, Jr.

Director, Purchasing and
Internal Control
B.S., The University of Texas at Tyler

Verna Martin

Admissions Counselor
B.A., Texas Woman's University

Mary Christine Oliver

Tax Collector

Brenda K. Payton

Programmer, Computer Services
A.A., Oklahoma State University,
Technical Branch, Okmulgee

John M. Posey, Jr.

Programmer, Computer Services
B.S., Oklahoma State University

Billie A. Pye

Director, Publication Services
B.S., The University of Texas at Tyler

William L. Thomas

Admissions Counselor
B.S., East Texas State University

Full-time Faculty

Johnny Abbey

Instructor, Office Occupations
B.B.A., M.B.A., The University of
Texas at Austin

John H. Abel

Instructor/Coordinator,
Respiratory Therapy
A.S., Northwest Mississippi
Junior College
Registered Respiratory Therapist

Jacqueline Adams

Instructor, Art
B.A., Centenary College
M.A., Stephen F. Austin State
University

Mary Adams

Instructor, English
B.A., East Texas State University
M.L.A., Southern Methodist
University

Nancy Alexander

Instructor, Geology
B.S., Centenary College
M.S., Louisiana State University
Ph.D., Southern Methodist University

Kay S. Arms

Instructor, Mathematics
B.S., M.A., The University of Texas
at Tyler

Ray Bagwell

Instructor/Coordinator, Government
B.A., Baylor University
M.S., East Texas State University

James F. Barnes

Instructor/Coordinator, Economics
B.S.Ed., Mississippi College
M.A., The University of Mississippi

Lethan Alan Barnes

Counselor
B.S., M.A., Texas A&M University
Ed.D., East Texas State University

Donald R. Barnett

Instructor/Clinical Coordinator,
Respiratory Therapy
A.A., Tyler Junior College
Registered Respiratory Therapist

Harvey O. Beckendorf

Bible, Director of the
Methodist Bible Chair
A.A., Lon Morris College
B.S., The University of Houston
M.Th., Perkins School of Theology,
Southern Methodist University

Charles D. Bennett

Instructor, Business Administration
B.S., Southeastern State College
M.S., Oklahoma State University

Gladys Best

Instructor/Coordinator, Bands
B.M., M.A., Stephen F. Austin
State University

Sue Betts

Assistant Librarian, Technical Services
B.S., M.Ed., M.S., East Texas State
University

Rebecca Harris Bibby

Instructor/Coordinator,
Home Economics
B.S., M.S., Stephen F. Austin
State University

Larry Blevins

Instructor, Mathematics
B.A., M.A., University of Northern
Colorado

Jean F. Boyer

Instructor, Vocational Nursing
(Jacksonville)
B.S.N., The University of Texas
at Austin

Tamara Brannon

Instructor, Graphic Communications
A.S., Tyler Junior College

Howard E. Branum

Instructor/Coordinator,
Physics and Engineering
B.S., M.Ed., Stephen F. Austin
State University

Reggie Brazzle

Counselor
A.A., Tyler Junior College
B.S., M.Ed., East Texas State
University

Keith Bridges

Instructor/Coordinator, Electronics
A.A., A.A.S., Tyler Junior College
B.S., Texas Eastern University
M.Ed., The University of Texas at Tyler

Edwin S. Brogdon

Instructor, Business Administration
B.B.A., M.B.A., East Texas State
University

Paula Buck

Instructor, English
B.A., Texas A&I University
M.A., Stephen F. Austin State
University

Beverly Leigh Bugay

Instructor/Coordinator, Bank
Management, Fashion Merchandising
and Retailing, Mid-Management
and Postal Management
B.S., M.S., The University of Texas
at Tyler

John Maxwell Burket

Instructor/Coordinator,
Geology, Physics, Astronomy
B.A., M.S., Baylor University

Steve Burket

Instructor/Coordinator,
Honors Program
B.A., M.A., Austin College

Naomi Ruth Byrum

Instructor, English
B.A., M.A., Stephen F. Austin
State University

Irene Camp

Instructor, Radiologic Technology
Registered Radiologic Technologist
A.S., Tyler Junior College

Judy D. Carr

Instructor, Vocational Nursing
R.N., St. Joseph School of Nursing
B.S.N., The University of Texas
at Tyler

Jamie Huckaby Carter

Instructor, Computer Science
B.A., The University of Texas
at Arlington
M.A., Western Michigan University

Carroll M. Cassel

Instructor, Mid-Management
B.B.A., Stephen F. Austin State
University
M.B.A., East Texas State University

Judith Caswell

Instructor, English
B.A., M.A., Stephen F. Austin
State University

Cathryn Patterson Cates

Instructor, Biology
B.A., B.S., The University of Texas
at Austin
M.S., The University of Texas at Tyler

Charles J. Cavanaugh, Jr.

Instructor/Coordinator, Art
B.F.A., Louisiana College
M.A., North Texas State University
M.F.A., Stephen F. Austin State
University

Mary Chartier

Instructor, Associate Degree Nursing
B.S.N., Missouri University
M.S., The University of Texas at Tyler
M.N.S., The University of Texas
at Arlington

Milford T. Collins

Instructor, History
B.A., East Texas Baptist College
M.A., Stephen F. Austin State
University

Josephine Hutcheson Coursey

Instructor, Biology
B.S., M.S., North Texas State
University

George N. Cox

Instructor, Physical Education/
Women's Basketball Coach
B.A., Abilene Christian University
M.Ed., West Texas State University

Robert Cox, Jr.

Instructor, Physical Education/
Tennis Coach (Men and Women)
B.B.A., University of Arkansas

134 Full-time Faculty

David Crawford

Instructor/Coordinator,
Speech/Theatre
B.S., North Texas State University
M.A., Stephen F. Austin State
University

Dorothy Creekmore

Instructor, Office Occupations
B.S., M.S., East Texas State University

Linda Joyce Cross

Instructor, History
B.S., M.A., Stephen F. Austin
State University

Patricia Jane Cryer

Instructor, Vocational Nursing
B.S.N., M.S., The University of Texas
School of Nursing

Charles F. Cunningham

Instructor, Computer Science
F.C.C., Licensed Radio-Television
Engineer

George Michael Cunningham

Instructor, Chemistry
B.A., Howard Payne College
M.S., West Texas State University

Lowell D. Dailey

Instructor, Electronics
B.S., Ottawa University
M.Th., Dallas Theological Seminary
M.S., The University of Texas at Tyler

Clyde Davenport

Instructor/Coordinator, Ophthalmic
Technician and Dispensing
Certified Ophthalmic Dispenser

Leo Davis, Jr.

Instructor, English
B.A., Texas College
M.Ed., The University of Texas at Tyler

Marvin P. Davis

Instructor/Coordinator, Mathematics
B.S., Lamar University
M.A., Louisiana State University

Jerald R. Debenport

Instructor, Electronics
B.S., East Texas State University

David Demic

Instructor, Mathematics
B.A., Texas Tech University
M.A., The University of Texas
at Austin

Faye Rhea Dozier

Instructor, Computer Science
B.A., The University of Texas
at Arlington

Carolyn F. Evans

Instructor, Associate Degree Nursing
B.S.N., Texas Woman's University
M.S.N., The University of Texas
at Arlington

Lena Exum

Instructor, English
B.A., Mississippi State College
for Women
M.A., University of New Mexico

Robyn Files

Instructor, Mathematics
B.A., Austin College
M.L.A., Southern Methodist
University

Rebecca Laughlin-Foster

Instructor, Sociology/Psychology
B.S., M.Ed., Stephen F. Austin
State University

Annelle Fowler

Instructor, Mathematics
B.S., Baylor University
M.S., Ed.D., East Texas State
University

Walter Fuller

Instructor, Electronics
A.A., Tyler Junior College
B.S., The University of Texas at Tyler

James Gill

Instructor, Electronics

Robert Glover

Instructor/Coordinator,
History and Geography
B.A., M.A., Stephen F. Austin
State University
Ph.D., North Texas State University

Wynell Goddard

Instructor, Business Administration
B.S., M.B.A., East Texas State
University

Barbara Graves

Instructor, Computer Science
A.A., Tyler Junior College
B.S., The University of Texas at Tyler

Elaine d'Entremont Graybill

Instructor, French/Spanish
B.A., Newcomb College
Ph.D., Tulane University

Steve Earl Green

Instructor, Mathematics
B.S., M.S., East Texas State
University

Cecil Greer

Instructor, History
B.A., University of Miami
M.A., University of Georgia

Lynda G. Gunter

Instructor, Medical Laboratory
Technology
B.S., The University of Texas at Austin
M.S., East Texas State University

Judy Hammond

Instructor, Associate Degree Nursing
B.S.N., Baylor University
M.S., The University of Texas at Tyler

Christine Johnson Harper

Instructor, Associate Degree Nursing
B.S.N., The University of Texas
at Austin
M.S., The University of Texas at Tyler

Sarah H. Harrison

Instructor, English/Journalism
B.A., M.A., East Texas State
University

Carolyn Harvey

Instructor, Associate Degree Nursing
Diploma Degree, Texas Eastern
School of Nursing
B.S.N., The University of Texas
at Tyler
M.S.N., The University of Texas
at Arlington

Joy O. Hasley

Instructor, Mathematics
B.A., Texas Woman's University
M.A., Miami (Ohio) University

John H. Hays, Jr.

Instructor, Spanish/Coordinator,
Foreign Language
B.A., Stephen F. Austin State
University
M.A., University of Houston

Carolyn Hendon

Instructor, English
B.A., University of Oklahoma
M.S., Illinois State University

Marguerite Hewitt

Instructor, Psychology
B.A., M.Ed., Ed.D., East Texas
State University

James H. Hill

Instructor, Chemistry
B.S., Lamar University
M.S.T., University of Arizona

M'Liss Stewart Hindman

Instructor, Speech
B.A., Texas Tech University
M.A., University of Houston

Lynette Hobbs

Instructor/Coordinator, Medical
Laboratory Technology
B.S., Baylor University
M.S., East Texas State University

John Hogan

Instructor/Coordinator, Air
Conditioning and Refrigeration
A.S., Tyler Junior College

Martha Hogan

Instructor, Mathematics
B.S., Iowa State University
M.S., The University of Texas at Tyler

Loretta Holbrook

Instructor, English
B.S., M.A., Stephen F. Austin
State University

136 Full-time Faculty

Norman Hoot

Instructor/Coordinator,
Dental Hygiene
D.D.S., Baylor University,
College of Dentistry

Herman Hubbard

Instructor, Graphic Communications

Marie Jackson

Instructor/Coordinator,
Associate Degree Nursing
B.S.N., Baylor University
M.Ed., The University of Texas at Tyler

Deborah Jenkins

Instructor, Computer Science
B.S., The University of Texas at Tyler

Charles N. Johnson

Instructor/Coordinator,
Developmental Communications
B.A., M.Ed., East Texas State
University
Ph.D., The University of Texas
at Austin

J. W. Johnson

Instructor/Coordinator,
Music and Dance
B.M., M.M., North Texas State
University

Wynoma Johnson

Instructor, Art
B.A., M.S., East Texas State
University

John W. Johnston

Instructor, English
B.A., Ouachita University
M.A., Pittsburgh State University
M.Th., Southwest Baptist
Theological Seminary

Joan Jones

Coordinator of Office Occupations
and Legal Assistant
B.A., Tennessee Technological
University
M.B.E., Stephen F. Austin State
University

Peter E. Jones

Instructor, History
B.S., M.A., Tennessee Technological
University
Ph.D., University of Oklahoma

Robert A. Jones

Instructor, Mathematics
B.S., Grambling State University
M.Ed., Northeast Louisiana University

Kay L. Keagy

Instructor, Mathematics
B.A., Baylor University
M.A., Texas Tech University

Charles E. Keasler

Instructor, Real Estate Management
B.A., North Texas State University

Elton Wayne Keith

Instructor, History
B.A., M.A., Baylor University
M.A., Peabody College

Johnnye Kennedy

Director, Library Services
B.A., M.L.S., Texas Woman's
University

Marshella Kersh

Instructor, Computer Science

Edward C. Ketchum

Instructor, Drafting
B.S., Southeastern State College
M.E., East Texas State University

Franklin Kimlicko

Instructor, Music
B.M., North Texas State University
M.M., Southern Methodist University

Jamon Kirby

Instructor, Physical Education
B.S., M.S., Stephen F. Austin
State University

Lou Ann Kuck

Instructor, Dental Hygiene
A.S., Tyler Junior College
B.A.A.S., Stephen F. Austin
State University
M.Ed., The University of Texas at Tyler

Michele M. LaBasi

Instructor, Dental Hygiene
A.S., Temple University
B.S., West Chester State College

Olson E. LeFevre

Instructor/Coordinator,
Welding Technology
B.A., Tarleton State University
M.S., The University of Texas at Tyler

Nancy Laird

Instructor, Physical Education
B.A., Southern Methodist University
M.A., Ed.D., University of Houston

F. Richard Langley

Instructor, Physical Education/
Assistant Football Coach
B.S., M.Ed., University of Houston

Marsha Anne Layton

Instructor, Geology
B.S., M.A., Baylor University

Kate Leard

Counselor
B.S., Southwest Texas State University

Elizabeth H. Lee

Instructor, Mathematics
B.S., Northwestern University
M.A., East Texas State University

James N. Lewis

Instructor, Government/Economics
B.S., M.S., North Texas State
University

David J. Ligon

Instructor, Government
B.S., Portland State College
M.A., Eastern New Mexico University

Linda Ludovico

Instructor, Dental Hygiene
A.S., Tyler Junior College
B.S., The University of Texas at Tyler

Molly McCoy

Instructor, Music
B.F.A., University of South Dakota
M.M., North Texas State University

Loretta McGehee

Instructor, English
B.A., Southern Methodist University
M.A., East Texas State University

Raymond Charles McGinty

Instructor, Physical Education/
Head Football Coach
B.S., M.S., North Texas State
University

Bobby McGregor

Instructor, Graphic Communications
A.A.S., Tyler Junior College

Cynthia McKinley

Instructor, Business Administration
B.B.A., B.Ed., Pan American
University

Larry Marta

Instructor, Music
B.M., East Texas State Baptist College
M.A., The University of Texas at Tyler

Clarice Martin

Library Assistant, Dial Access
B.S.E., Southern State College

Jefferson H. Martin

Instructor, Mathematics
B.S.E., Southern State College
M.A., University of Arkansas

JoAnn Martin

Instructor/Coordinator,
Radiologic Technology
B.S., The University of Texas at Tyler

Joyce A. Martin

Instructor, Vocational Nursing
A.S.N., Tyler Junior College
Texas Eastern School of Nursing
Diploma

Bob Ford Mayfield

Bible, Director of Baptist
Student Union
A.A., Tyler Junior College
B.A., Baylor University
M.Div., Southwestern Baptist
Theological Seminary

Dennis Mayfield

Instructor, Biology
B.S., Texas A&M University

138 Full-time Faculty

J. D. Menasco

Instructor, Physical Education/
Coordinator, Intramurals
B.S., M.S., East Texas State University

Julie Lynne Mettlen

Instructor, Dental Hygiene
A.S., Tyler Junior College
B.S., The University of Texas at Tyler

Robert E. Meyer

Instructor, Mid-Management
B.B.A., East Texas State University

Nancy Michalewicz

Instructor, Graphic Communications
B.A., Sam Houston State University
M.Ed., The University of Texas at Tyler

Adelia "Dee" Miller

Instructor/Coordinator,
Vocational Nursing
B.S.N., M.S., The University of Texas
at Tyler

Ann Davis Miller

Instructor, Art
B.A., M.A., Stephen F. Austin
State University

Mary Evelyn Miller

Instructor, Chemistry
B.S., Texas Woman's University

H. F. Mills

Instructor, History
B.A., M.A., Rice University

Charles G. Moore

Instructor, Mathematics
B.S.E.E., The University of Texas
at Austin
M.S., Stephen F. Austin State
University

Diane W. Morris

Instructor, Computer Science
B.A., The University of Texas at Austin
M.S., The University of Texas at Tyler

George K. Mueller

Instructor, Music
B.Ph., University of Chicago
B.M., M.M., American Conservatory
of Music

James Murray, Jr.

Instructor, English
B.A., Baylor University
M.A., The University of Texas
at Austin

Judy Gayle Newman

Instructor, Office Occupations
B.S., M.S., East Texas State
University

Monty Lee Newman

Instructor/Coordinator,
Drafting and Engineering Drawing
B.S., M.Ed., East Texas State
University

Margie Noel

Instructor, History
B.A., Austin College
M.A., Tulane University

Rheymburn Parrish Nolan

Instructor, Economics/Government
B.S., M.P.A., North Texas State
University

Emogene King Norman

Instructor, Office Occupations
B.B.A., North Texas State University
M.B.A., The University of Texas
at Tyler

Margaret Ott

Instructor, Biology
B.S., M.S., University of Alabama

Willie Lee Palmore

Instructor, Biology
B.S., North Texas State University
M.S., East Texas State University

Judith Ann Parks

Instructor/Coordinator, Biology
B.A., Houston Baptist College
M.S., Stephen F. Austin State
University

Donna Payne

Instructor/Coordinator,
Vocational Nursing (Jacksonville)
B.S.N., Stephen F. Austin State
University
M.S., The University of Texas at Tyler

Mary W. Peddy

Counselor
B.S., Mississippi University for Women
M.S., Mississippi State University

Gloria Peggram

Instructor, English
B.A., East Texas Baptist College
M.A., Stephen F. Austin State University

Beverly Ann Perkins

Instructor, English
B.A., Texas Tech University
M.A., East Texas State University

Robert Peters III

Instructor, History/Government
B.A., Texas Christian University
M.A., Stephen F. Austin State University
Ph.D., The University of Texas at Austin

Mary Jo Phillips

Instructor/Coordinator, Long Term Care Administration
A.S., Tyler Junior College
B.S., The University of Texas at Tyler

Wayne R. Pianta

Instructor/Coordinator,
Ornamental Horticulture
B.S., M.Ag., Texas A&M University

Larry M. Pilgrim

Instructor/Coordinator, Agriculture
B.S., M.S., East Texas State University

Betty B. Plyler

Counselor
B.S., The University of Texas at Austin
M.A., Stephen F. Austin State University

James A. Pratt

Instructor, Business Administration
B.B.A., M.B.A., Stephen F. Austin State University

Bryan Ralph

Instructor, Drafting
Bachelor of Architecture and Engineering, Texas A&M University
Registered Architect

Joe Tom Rodgers

Instructor, Mathematics
B.S., The University of Texas at Austin
M.S., East Texas State University
Ph.D., George Peabody College for Teachers

Cheryl Lynn Rogers

Instructor, Music
B.M., North Texas State University
M.A., Stephen F. Austin State University

Frank Rucker

Instructor/Coordinator,
Ranch Management
B.S., M.Ed., East Texas State University

Leo Slaton Rudd, Sr.

Instructor, Psychology
B.A., William Jewell College
M.Ed., East Texas State University

Anne Williams Rye

Instructor, History
B.S.E., University of Arkansas
M.A., Memphis State University

John T. Saleh

Instructor, Business Administration and Accounting
B.B.A., East Texas State University
M.B.A., North Texas State University

Jacquelyn Shackelford

Instructor, Speech/Theatre
B.S., M.S., East Texas State University

Laquita J. Showen

Instructor, Associate Degree Nursing
M.S.N., The University of Texas at Tyler
B.S.N., Texas Woman's University

Victor L. Siller

Instructor, Speech/Theatre
B.S., Southwest Texas State University
M.A., Stephen F. Austin State University

Thomas Simmons

Instructor, Biology
B.S., M.S., Mississippi State University

140 Full-time Faculty

Stephen Mark Smith

Instructor/Coordinator,
Recreation Leadership
A.A.S., Tyler Junior College
A.A., State University College at
Oswego, N.Y.

Charles Sowders

Instructor/Coordinator,
Graphic Communications
B.S., Sul Ross State College
M.A., The University of Texas at Tyler

B. Joe Staples

Instructor, Office Occupations
B.S., M.S., East Texas State University

Kenneth W. Stegall

Instructor, Respiratory Therapy
B.S., The University of Texas at Tyler
M.Ed., The University of Texas at Tyler

Margaret P. Steigman

Instructor/Coordinator
English and Philosophy
B.A., Arkansas College
M.A., Northeast Louisiana University
Ed.D., East Texas State University

Charles Stelding

Bible, Director of the Campus
Christian Center
B.A., M.Div., Abilene Christian
University
D.Min., Vanderbilt University

Jeanette Stewart

Instructor, Biology
B.A., Austin College
Ph.D., The University of Texas
at Austin

Jack A. Stone

Instructor, Computer Science
B.S., University of Houston

Clarence Strickland

Instructor, Speech/Theatre
B.S., M.S., East Texas State University

H. Larry Stripling

Instructor, Biology
B.S., Louisiana Polytechnic Institute
M.S., Florida State University

Margaret Taylor

Instructor, Associate Degree Nursing
B.S., Ball State University
M.S., East Texas State University

George B. Tefteller

Instructor, Mathematics
B.S., M.S., East Texas State University

Richard D. Thedford

Instructor, Engineering/Drafting
B.S., M.S., East Texas State University

Roy C. Thomas

Instructor, Physical Education/
Men's Basketball Coach
B.S., M.S., Baylor University

Harold H. Trimble

Instructor/Coordinator,
Petroleum Technology

Merle Sue Trotter

Instructor/Coordinator,
Computer Science
A.A., Tyler Junior College
B.S., East Texas State University
M.S., The University of Texas at Tyler

Judith G. Turman

Instructor, English
B.A., M.A., The University of Texas
at Austin

Linda F. Turner

Instructor, Business Administration
B.B.A., The University of Texas
at Tyler
M.B.A., Old Dominion University

Jesse Wade

Instructor, Computer Science
B.A., The University of Texas at Austin

Pamela Wade

Instructor, Dental Hygiene
B.S., Baylor University
M.S., Stephen F. Austin State
University

Theresa C. Walch

Counselor
B.A., M.S., East Texas State University

Charline H. Wallis

Instructor, Art
B.A., M.A., Stephen F. Austin
State University

Nancy A. Wardlow

Instructor, Radiologic Technology

Nell F. Warren

Instructor, Mid-Management
B.B.A., Sam Houston State University

Linda Watkins

Instructor/Coordinator,
Behavioral Science
B.A., The University of Texas
at Arlington
M.S., East Texas State University

Joy M. Watson

Instructor, Psychology/Sociology
B.A., M.A., East Texas State University

Stanley H. Watson

Instructor, History
B.S., M.A., Stephen F. Austin
State University

Deborah Welch

Instructor, Fashion Merchandising
B.S., M.A., Texas Woman's University

John Richard Wheat

Instructor, Mathematics
B.S., Stephen F. Austin State
University
M.S., The University of Mississippi

James David Wicks

Instructor/Coordinator, Chemistry
B.S., M.S., Southwest Texas State
University

Audrey J. Woods

Instructor, Physical Education
B.S., Texas Southern University
M.Ed., East Texas State University

Fred Worthern

Instructor/Coordinator, Real Estate,
Mineral Land Management, and
Mineral Lease Records
B.A., Stephen F. Austin State
University

Delton Wright

Instructor, Physical Education/
Assistant Football Coach
B.S., M.Ed., East Texas State
University

Jimmy D. Yancy

Instructor, English
B.A., M.A., Stephen F. Austin State
University

Radiance Young

Instructor, English
B.S., Sam Houston State University
M.A., George Peabody College

Linda K. Zeigler

Instructor/Coordinator, Journalism;
Director, Student Publications
B.S., M.J., The University of Texas
at Austin

Adjunct Faculty

Virgil V. Gonzales, M.D.

Medical Director
Medical Laboratory Technology
B.A., University of St. Thomas,
Manila, Philippines
M.D., University of St. Thomas,
Manila, Philippines

Kenneth M. Nugent, M.D.

Medical Director
Respiratory Therapy
B.A., University of Texas, Texas
M.D., Washington, University of
Medicine, St. Louis, Missouri

Joseph Selman, M.D., F.A.C.R.

Medical Director
Radiologic Technology
B.S., Rensselaer Polytechnic Institute
M.D., Case Western Reserve

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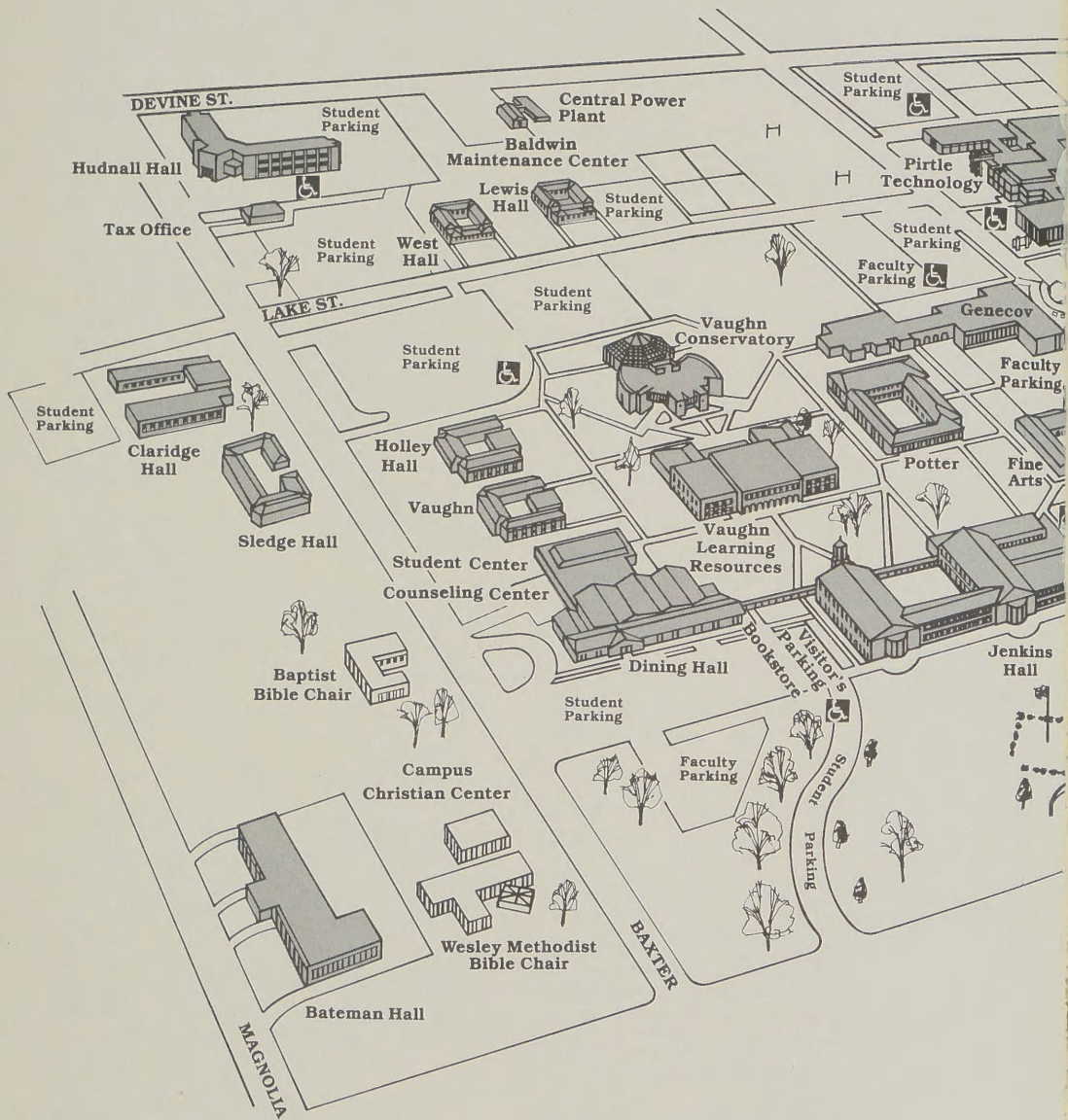
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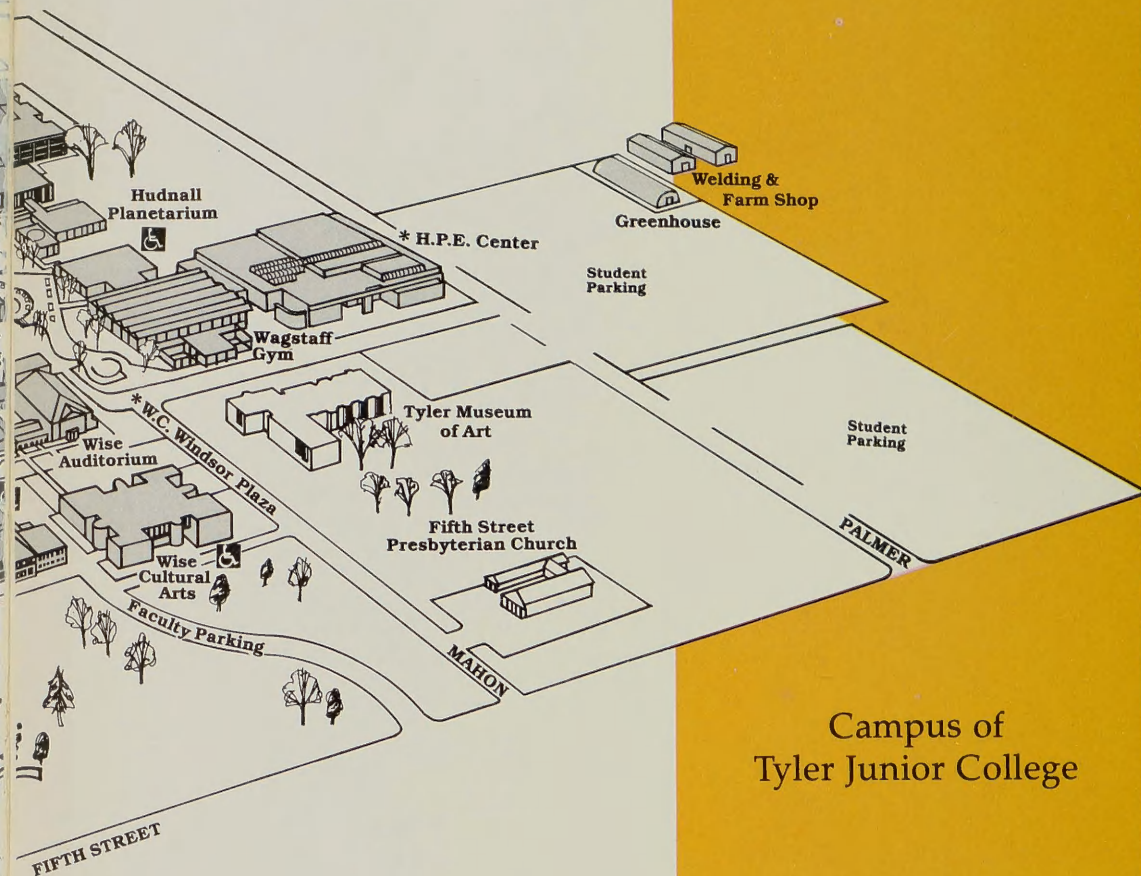
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Campus of Tyler Junior College



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TYLER JUNIOR COLLEGE
BOX 9020
TYLER, TEXAS 75711